Food Industries

GENERAL ALPHABETICAL INDEX

Volume 18

JANUARY, 1946 to DECEMBER, 1946

January 1– 160
February 161– 324
March 325– 486
April 487– 660
May 661– 836
June 837–1002
July 1003–1173
August 1174–1336
September 1337–1512
October 1513–1680
November 1681–1838
December 1839–1998

A

Accounting—Dexigraph photocopies sales records. E. A. Lovelock..... *345

Agar
Australia's agar industry. Alex Makaroff *1545
Seaweed at Anacortes, Wash. (N).. *1572

Agriculture
Abundant feed crops promised this year (N) 1590
Subsoil moisture promises another record year (N) 711
Toxicity of manganese in acid soils (A) 620
Air conditioning—Dehumidifier (e)..... *266
Air-gas mixer (e)..... *1782

Air Transport
Air-expressed plants promise more tomatoes (N) 1076
Boeing Stratofreighter has nearly twice the volume of an average boxcar (N) *1386
Camembert cheese arrives from the West Coast (N) *1408
Flying steaks (N) *1574
Alcohol—Flavorers prepare for fight on alcohol tax 1232
Alcohol from wood expected in Oregon (N) 384
Aluminum can for sardines..... *1885
Aluminum container 1727
Aluminum finishes 1626
Aluminum packaging foil (e) 954
Amer. Assn. of Cereal Chemists meeting (N) 892
American Butter Institute meeting (N).. 53
American Chemical Society—Symposium on non-enzymatic browning..... 1523
American Dairy Association—Promotion program planned (N) 1414
American Institute of Baking adds new laboratory service (N)..... 1404
American Management Assn. Elects new head (N) 1223
American Meat Institute meeting (N)... 1746
American Public Health Assn.—pollution of water and food based on isolation of enterococci *1862
American Society of Bakery Engineers meeting (N) 546
American Society of Refrigerating Engineers meeting (N) 56
Amino acids may be used in foods (N).. 232
Angelica oil. Ernest Guenther *36
Anti-frost compound (e) 596
Anti-slip coating (e) 1622
Appetite—does instinctive appetite correct Science? B. D. Ingals 177

Apples
Apple with high vitamin C discovered in Geneva (N) 240
Carbon dioxide used to control rodents and scald in apple storage (A) 1640
Crop retarded (A) 444
Dehydrated apple nuggets 1885
Application for position. Austen Stone.. *1515
Assn. of Food & Drug Officials Conference (N) 1052
Atomic power
Laboratories request radioactive isotopes (N) 1390

Australia
Agar industry. Alex Makaroff..... *1545
Contributes to Philippine Is. distress (N) *548
Fishing Industry expands A Makaroff *530

Awards
Colonel Isker gets Legion of Merit award (N) 214
Enzyme award announced by American Chemical Society (N) 386
Final "A" awards (N) 60
QMC Subsistence Research & Development Laboratory receives Awards of Merit (N) *213
Awnings, industrial plant (e) *1264

B

Bacteria
Action of propionates (A) 1134
Control of bacteria in food storage rooms (A) 1465
Control of microbiological food spoilage by fumigation with epoxides. Rita Whelton & others pt 1 *23 pt 2 ..... *174
Germicidal ices (A) 1644
How foods spoil. B. L. Oser..... *1683
Inhibitors of sulphate reducing bacteria (A) 290
Mold-free acid buffer (A) 132
Mold inhibitors (P) 123
Mold in blueberries (A)..... 1957
Penetration of wrapping materials by molds (A) 1122
pH tolerance of bacteria (A)..... 976
Propionate as a germicide (A) ... 610
Tomato plants produce own disease resistant (N) 244
Vapors in mold control (A) 1640

Bags
Bag inserter (e) 950
Bag dumper (e) *270
Bag making machine (e) 1607
Fruit and vegetable bagger (e) *1269
Waterproof bag (e) 417; *1264

Bakeries and Baking
Aging wheat improves baked goods (A) 607
Apple pie, double quick..... *1882
Baking pan of paper (e) *1106
Cocktail pretzels *880
Coffee cake mix..... *1885
Cookies—Marshmallow Whip *1885
Crackers packaged in color..... *46
Cream puff troubles are overcome by test studies. F. G. Wheeler *20
Dried eggs in cakes (A) 436
Frozen pastry. Esther Lee Bride.... *1856
Gingerbread mix *1381
Kiltie cookies *534
Lecithin increases the effect of shortening in bread. D. B. Pratt Jr... *16
Macaroon treats 51
Modern bakery sanitation. P. W. Hodler *1865
New flour requires some baking adjustments. R. T. Bohn *492
Nubbins, a fruit cake 534
Piquans, a cookie *707
Planning for clean flavor. J. A. Dunn *188
Popovers made with Topova 373
Pot pie frozen..... *1729
Pretzels in tin *209
QMC to train bakers (N)..... 1742
Retail bakers form own sanitary code (N) 726
So you want to be a foreman. W. R. Van Meter *163
Use of whole-egg powder in making sponge cake (A) 1635
Wafer developed that utilizes skim milk (N) 232
Why not a technologist– W. R. Van Meter *1005
"Balance Agriculture With Industry"—Mississippi attracts industry. David Markstein *1022
Barrels. Barrel skid (e) *420
Batter mix for deep frying *1044

Beans
Canned bean standard hearings (N). 900
Mung bean sprouts grown for canning. W. F. Kuhn..... *1858
Sorting bad beans from good ones by electronics *1031

Beer
Hops harvested in Washington (N).. 1590
Pasteurization of beer (A) 618
Beets—salt affects beet yield (A) 1648

Beverages
Chocolate milk vitamins (A) 130
Evervess, fizz water *209

Blanching
Ascorbic acid loss (A) 435
Blanching vegetables for freezing (A) 769
Electronic blanching (A) 126
Hard water blanching adds calcium to peas (N) 392
Blanket, fiberglas interlined (e) 946
Blender, conical (e) *262
Blueberries—mold (A) 1957

Book Reviews
Advances in carbohydrate chemistry ed by Pigman & Wolfrom 139
Advances in enzymology ed by F. F. Nord 1651
Advances in protein chemistry ed Anson & Edsall 449
Agricultural statistics, 1945..... 1973
Agriculture in an expanding economy 622
Agriculture in an unstable economy. T. W. Schultz 297
Alkaline earth and heavy metal soaps. S. B. Elliott 1651
Annual review of biochemistry. J. M. Luck 1817
Bacteriological reviews ed by Barnett Cohen 139
Baking industry. Mary K. Moore.. 979
Business of my own. A. E. Morgan. 1298
Chemicals and food production. P. H. Groggins 297
Condensed milk and milk powder. O. F. Hunziker 1651
Currents in biochemical research ed by D. E. Green 1298
Electrons in action. James Stokley. 785
Emulsion technology 1481
Enzymes and their role in wheat technology. J. A. Anderson 1481
Experience with wartime subsidies. Jules Backman 297
Federal labor laws. R. D. Bundy.. 1137
Food buyers' information book. Alex Todoroff 1137
Food industries manual ed by T. Crosbie-Walsh 449
Food products directory for 1945-46. 622
How to reduce payroll takes under merit rating 1817
Index to the literature of food investigation 1298
Industrial republic. P. W. Litchfield 1973
International trade and domestic employment. C. B. Hoover, ... 139
International trade handbook 1298
Introduction to emulsion. G. M. Sutheim 979
Inventors' Magna Charta..... 1298
Job evaluation and employee rating. Smythe & Murphy 1973
Know your white collar worker... 1137
Literature search on the preservation of food by freezing. Weil & Sterne 1817

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Food Industries

GENERAL ALPHABETICAL INDEX

Volume 18

JANUARY, 1946 to DECEMBER, 1946

January 1– 160
February 161– 324
March 325– 486
April 487– 660
May 661– 836
June 837–1002
July 1003–1173
August 1174–1336
September 1337–1512
October 1513–1680
November 1681–1838
December 1839–1998

A

Accounting—Dexigraph photocopies sales records. E. A. Lovelock..... *345

Agar
Australia's agar industry. Alex Makaroff *1545
Seaweed at Anacortes, Wash. (N).. *1572

Agriculture
Abundant feed crops promised this year (N) 1590
Subsoil moisture promises another record year (N) 711
Toxicity of manganese in acid soils (A) 620
Air conditioning—Dehumidifier (e)..... *266
Air-gas mixer (e)..... *1782

Air Transport
Air-expressed plants promise more tomatoes (N) 1076
Boeing Stratofreighter has nearly twice the volume of an average boxcar (N) *1386
Camembert cheese arrives from the West Coast (N) *1408
Flying steaks (N) *1574
Alcohol—Flavorers prepare for fight on alcohol tax 1232
Alcohol from wood expected in Oregon (N) 384
Aluminum can for sardines..... *1885
Aluminum container 1727
Aluminum finishes 1626
Aluminum packaging foil (e) 954
Amer. Assn. of Cereal Chemists meeting (N) 892
American Butter Institute meeting (N).. 53
American Chemical Society—Symposium on non-enzymatic browning..... 1523
American Dairy Association—Promotion program planned (N) 1414
American Institute of Baking adds new laboratory service (N)..... 1404
American Management Assn. Elects new head (N) 1223
American Meat Institute meeting (N)... 1746
American Public Health Assn.—pollution of water and food based on isolation of enterococci *1862
American Society of Bakery Engineers meeting (N) 546
American Society of Refrigerating Engineers meeting (N) 56
Amino acids may be used in foods (N).. 232
Angelica oil. Ernest Guenther *36
Anti-frost compound (e) 596
Anti-slip coating (e) 1622
Appetite—does instinctive appetite correct Science? B. D. Ingals 177

Apples
Apple with high vitamin C discovered in Geneva (N) 240
Carbon dioxide used to control rodents and scald in apple storage (A) 1640
Crop retarded (A) 444
Dehydrated apple nuggets 1885
Application for position. Austen Stone.. *1515
Assn. of Food & Drug Officials Conference (N) 1052
Atomic power
Laboratories request radioactive isotopes (N) 1390

Australia
Agar industry. Alex Makaroff..... *1545
Contributes to Philippine Is. distress (N) *548
Fishing Industry expands A Makaroff *530

Awards
Colonel Isker gets Legion of Merit award (N) 214
Enzyme award announced by American Chemical Society (N) 386
Final "A" awards (N) 60
QMC Subsistence Research & Development Laboratory receives Awards of Merit (N) *213
Awnings, industrial plant (e) *1264

B

Bacteria
Action of propionates (A) 1134
Control of bacteria in food storage rooms (A) 1465
Control of microbiological food spoilage by fumigation with epoxides. Rita Whelton & others pt 1 *23 pt 2 ..... *174
Germicidal ices (A) 1644
How foods spoil. B. L. Oser..... *1683
Inhibitors of sulphate reducing bacteria (A) 290
Mold-free acid buffer (A) 132
Mold inhibitors (P) 123
Mold in blueberries (A)..... 1957
Penetration of wrapping materials by molds (A) 1122
pH tolerance of bacteria (A)..... 976
Propionate as a germicide (A) ... 610
Tomato plants produce own disease resistant (N) 244
Vapors in mold control (A) 1640

Bags
Bag inserter (e) 950
Bag dumper (e) *270
Bag making machine (e) 1607
Fruit and vegetable bagger (e) *1269
Waterproof bag (e) 417; *1264

Bakeries and Baking
Aging wheat improves baked goods (A) 607
Apple pie, double quick..... *1882
Baking pan of paper (e) *1106
Cocktail pretzels *880
Coffee cake mix..... *1885
Cookies—Marshmallow Whip *1885
Crackers packaged in color..... *46
Cream puff troubles are overcome by test studies. F. G. Wheeler *20
Dried eggs in cakes (A) 436
Frozen pastry. Esther Lee Bride.... *1856
Gingerbread mix *1381
Kiltie cookies *534
Lecithin increases the effect of shortening in bread. D. B. Pratt Jr... *16
Macaroon treats 51
Modern bakery sanitation. P. W. Hodler *1865
New flour requires some baking adjustments. R. T. Bohn *492
Nubbins, a fruit cake 534
Piquans, a cookie *707
Planning for clean flavor. J. A. Dunn *188
Popovers made with Topova 373
Pot pie frozen..... *1729
Pretzels in tin *209
QMC to train bakers (N)..... 1742
Retail bakers form own sanitary code (N) 726
So you want to be a foreman. W. R. Van Meter *163
Use of whole-egg powder in making sponge cake (A) 1635
Wafer developed that utilizes skim milk (N) 232
Why not a technologist– W. R. Van Meter *1005
"Balance Agriculture With Industry"—Mississippi attracts industry. David Markstein *1022
Barrels. Barrel skid (e) *420
Batter mix for deep frying *1044

Beans
Canned bean standard hearings (N). 900
Mung bean sprouts grown for canning. W. F. Kuhn..... *1858
Sorting bad beans from good ones by electronics *1031

Beer
Hops harvested in Washington (N).. 1590
Pasteurization of beer (A) 618
Beets—salt affects beet yield (A) 1648

Beverages
Chocolate milk vitamins (A) 130
Evervess, fizz water *209

Blanching
Ascorbic acid loss (A) 435
Blanching vegetables for freezing (A) 769
Electronic blanching (A) 126
Hard water blanching adds calcium to peas (N) 392
Blanket, fiberglas interlined (e) 946
Blender, conical (e) *262
Blueberries—mold (A) 1957

Book Reviews
Advances in carbohydrate chemistry ed by Pigman & Wolfrom 139
Advances in enzymology ed by F. F. Nord 1651
Advances in protein chemistry ed Anson & Edsall 449
Agricultural statistics, 1945..... 1973
Agriculture in an expanding economy 622
Agriculture in an unstable economy. T. W. Schultz 297
Alkaline earth and heavy metal soaps. S. B. Elliott 1651
Annual review of biochemistry. J. M. Luck 1817
Bacteriological reviews ed by Barnett Cohen 139
Baking industry. Mary K. Moore.. 979
Business of my own. A. E. Morgan. 1298
Chemicals and food production. P. H. Groggins 297
Condensed milk and milk powder. O. F. Hunziker 1651
Currents in biochemical research ed by D. E. Green 1298
Electrons in action. James Stokley. 785
Emulsion technology 1481
Enzymes and their role in wheat technology. J. A. Anderson 1481
Experience with wartime subsidies. Jules Backman 297
Federal labor laws. R. D. Bundy.. 1137
Food buyers' information book. Alex Todoroff 1137
Food industries manual ed by T. Crosbie-Walsh 449
Food products directory for 1945-46. 622
How to reduce payroll takes under merit rating 1817
Index to the literature of food investigation 1298
Industrial republic. P. W. Litchfield 1973
International trade and domestic employment. C. B. Hoover, ... 139
International trade handbook 1298
Introduction to emulsion. G. M. Sutheim 979
Inventors' Magna Charta..... 1298
Job evaluation and employee rating. Smythe & Murphy 1973
Know your white collar worker... 1137
Literature search on the preservation of food by freezing. Weil & Sterne 1817

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

East Engin. Lib.
Direct

Manual for water plant operators. A. A. Hirsch 979
Manual of procedure under government contracts. O. R. McGuire 450
Mathematical aids for engineers. R. W. Dull 1973
Medicine in industry. B. J. Stern .. 622
Microbes of merit. Otto Rahn 449
Milk industry. R. W. Bartlett 785
New concepts in collective bargaining 1481
Nursing in commerce and industry. B. J. McGrath 622
Organic reagents for organic analysis 979
Planning of research and development work. D. L. Williams 622
Practical butter manufacture. G. H. Wilster 297
Practical way to handle grievances pub. by Labor Relations..... 1973
Refrigeration applications 1137
Robinson-Patman Act symposium .. 622
Soap in industry. Leffingwell & Lesser 979
Statistical quality control. E. L. Grant 1817
Steel in the war..... 785
Talking millstones. Camilla Wing.. 139
Tinplate. Hoare & Hedges 785
When foreman and steward bargain. Glenn Gardiner 449
White versus brown flour..... 449
World's hunger. Pearson & Harper. 139

Bottles
Automatic bottle washer (e).....*1098
Bottle washer (e).....*1264
How scale prevention cuts bottle washing cost. P. E. Piper, pt. 1, *1024; pt. 2.....*1198
Vacuum bottle filler (e)..... *934
Brands—American food brands make European friends (N)..... 1242
Brazil—Freezer plant installed (N)..... 566

Bread
Bread wrappers (e)..... *952
Development of food products in wartime Germany. G. T. Carlin..*1526
Experiments with rye bread in Germany 1529
Flour mills go to "80." D. B. Pratt Jr. *494
German canned bread will keep for long time (N)..... 724
German rye bread report (N)..... 1058
High frequency heating produces mold-free bread. W. H. Cathcart. *864
Lecithin increases the effect of shortening in bread. D. B. Pratt, Jr... *16
Oat bran mixed with wheat (A)..... 130
Popcorn flour adopted by Chicago baker (N) 900
Potato bread holds quality longer, claims baker (N)..... 396
QMC to test formula for new canned bread (N) 1586
Soy flour in baking (A)..... 972
Texas bread (N)..... 1080
Thread slicer in package.....*1561
Whole-wheat claimed superior to enriched (N) 66
Brewing—Tank trucks haul yeast and malt *201
Browning of cut fruit prevented by ascorbic-acid. Luther & Cragwall.... *690
Browning reaction in foods studied by the Army 1523
Brush, pocket fountain (e)..... *942

Butter
Butter concentrate (P) 1962
Continuous butter making successful in wartime Germany. A. V. Gemmill *841
Lifting of controls asked by American Butter Institute (N)..... 53
Paraffined Carton Research Council studies packaging (N)..... 910
Recent developments in continuous butter making. A. V. Gemmill....*1865
Wrapper and sealer for butter (e).. *104

C

Cabinets, control (e)..... *270
Calcium hypochlorite (e)..... 934
Canada's growing fish industry. James Montagnes *1718

Canning and Preserving
Aluminum can used by Norway for sardines *1885
Beans with sliced franks and tomato sauce 880
Boned chicken *368
Brazilian mandarins canned..... 206
Brisling packed by belt-line process (N) 1062
Can cooler (e).....*1608
Can makers pinched by strikes and shortages (N)..... 558
Canned food packs for 1945 (tables). 404
Canned milk allotments (N)..... 1762
Canning technological advances..520–524
Chow mein dinner.....*1727
Cleaning problems in a cannery. C. W. Bohrer..... 522
Color measurements. Kramer & Smith 524
Common ailments of quality in processed foods. C. W. Kaufman..... *12
Consistometer measures corn consistency. Adams & Birdsall..... *844
Corn maturity indicated by machine.*1283
Damage by freezing to canned meat products containing carbohydrates. B. W. Gardner, Jr..... *192
Demand may rise 5 percent (N)..... 78
Disposal of canner wastes. N. H. Sanborn 521
Dried soup canned..... *537
Drinking water canned for U. S. forces. W. J. Mutschler.....*1351
Earnings in canning industry increased (N) 58
Electronic sterilization. Benjamin & Ecklund *523
Floating fish cannery leased to Seattle Co. (N)..... 236
Government cannery declared surplus (N) 550
Ham and sweet potato combination developed. Capt. W. W. Bailey... *678
Hamburgers canned *534
Illumination studies. H. K. Wilder.. 521
In-Plant chlorination. Hall & Blundell 520
Meat for little ones.....*1381
Mince meat pudding..... 51
Mung bean sprouts grown for canning. W. F. Kuhn.....*1858
Oatmeal canned 368
Oregon State gives 25th course in food (N) 76
Pack-coding avoids grief. Max Mergentime *1014
Pak-C-Lector packs rapidly..... *527
QMC to test formula for new canned bread (N) 1586
Rough handling affects spoilage. C. L. Smith 522
Salmon canning *856
"Salmon Creole Dinner" canned..... 206
South Africa canning (N)..... 1764
Soybean canning (P)..... 1810
Stability and viscosity of cream-style foods (A) 1130
Standards for beans at hearings (N) 900
Standards for peas to have hearing (N) 1738
Storage temperatures influence upon vitamins in canned foods (A)..... 281
Sugar content no bar in decontrol of food (N) 1746
Tangerine juice 709
Tin can supply not adequate (N) 885 (N) 1238
Tomato juice processing. E. J. Cameron 524
Tomato juice treatment (P)..... 610
"Undercooling" retards freezing of canned foods. pt. 1, *513; pt. 2, *866; pt. 3, *1034; pt. 4, *1370; pt. 5 .....*1716
Utilization of cooling towers in the food industries. Edward Simons..*1360
Washer and drier for cans (e)..... *1779
Capping machine, vacuum (e)..... *754
Carbohydrates—increasing uses (ed).... 1042
Cart, load (e) *1448
Case marking attachment (e).....*1433
Casein from milk powder (P)..... 774
Cation determination (e) *426
Cattalo or buffattle?..... *1050
Ceiling insulation. C. H. Minster.....*1850
Centrifugal reducer (e).....*1432

Cereals
Amer. Assn. of Cereal Chemists discuss problems (N)..... 892
Anaerobic change (A) 123
Canned oatmeal 368
Cereal Institute reports consumer study (N) 214
Corn-Soya Shreds *704
Enrichment of rice (A) 1288
New agricultural products used in candy. Hall, Fahs & Charbonnet *1008
Puffed cereal product (P)..... 440
Rice enrichment (A)..... 1288
Rice fortified (P) 435
Rice plant to utilize new process (N) 296
Small packages of cereals..... 534
Whiffs in moisture-proof bag..... *373
Wild rice *49

Cheese
Aging at 60 degrees speeds cheese making (N) 230
Bakers' cheese from dried skim milk (N) 1062
Brick cheese flavor development (A). 126
Brucella abortus in cheese (A).... 774
Determining volatile fatty acids in cheese (A) 1801
Faster curing yet better quality cheese (ed)..... 43
How to make grating cheese. Dahle & Watrous Jr..... *680
Propionate for mold (A)..... 1292
"Shelf" curing of cheese—what are the facts? A. B. Erekson.....*1177
Slow acid production in cheese-making (A) 1962
Smoky spread 1724
University of Missouri to do cheese research (N) 66
Wisconsin cheese *1727
Chemical Industries Exposition—preview of exhibit. L. C. Mazzola..... *166
Chicago Dairy Technology Society awards scholarships (N)..... 1070

Chocolate
All that's left of German chocolate industry. W. T. Clarke.....*1183
Cocoa extraction (P) 92
Cocoa, tannin free (P)..... 1644
Cocoa with milk shows no unwholesome effect (N) 734
How German chocolate ration was made for Wehrmacht. W. T. Clarke *1695
Cinnamon oil, synthetic (A)..... 1957
Citric acid process (P)..... 1812
Clams should be cultivated (N)..... 736

Cleaning and Sanitation
Bottle washer (e)..... 1098
Cleaning problems in a cannery. C W. Bohrer 522
Crusade for sanitation (ed)..... 1376
Detergency studies (A)..... 1812
Food plant sanitation is not just a chore. M. E. Parker pt 1 *332 pt 2. *510
How foods spoil. B. L. Oser.....*1683
How scale prevention cuts bottle washing cost. P. E. Piper pt. 1 *1024 pt 2*1198
How to sell sanitation (ed)..... 1211
Modern bakery sanitation. P. W. Hodler *1865
National Confectioners discuss sanitation (N) 1224
New devices improve cleaning and effect economies. J. R. Perry.....*1518
New York Preservers Association to confer with food inspector (N).. 568
New York's sanitation drive (ed).... 1722
Packing plant sanitation calls for good housekeeping. Laing & Barrett *1354
Sanitizing agent (e) 1096
Soapless cleaner (e) 418
Steam cleaning unit (e)..... *418
Washer and drier for cans (e).....*1779
What sanitation means to the processor. R. E. Sanborn..... *26
Clutch, automatic (e)..... *268
Coating, nitrocellulose..... 1624
Coconuts—Philippine coconut industry Herbert Leopald *1535

Coffee
Ersatz coffee in Germany..... 1656
No coffee controls (N)..... 1240
Jar and vacuumizer for coffee (e).. *587
More soluble coffee *1835
Packaging machine for coffee (e)..*1095
Phosphatides in coffee (A)..... 769
Quality irregularities (ed)..... 531
Sanka coffee.....*1383

Color
Brooklyn Polytechnic to teach food colors (N) 234
Color measurements for canned foods. Kramer & Smith..... 524
Colorimeter, photoelectric (e)..... *1102
Debunking a color theory. A. Harsham *851

Compressed Food
Compressibility of meats (A)..... 1132
Peacetime food compression. C. A. Magoon & Associates..... *362

Confectionery
Almond Joy candy bar..... 539
Chocolate bits repackaged..... *46
Copper or stainless steel kettles. R. B. Laws, W. H. Eddy..... 627
Honey centers *368
New agricultural products used in candy. Hall, Fahs & Charbonnet.*1008
Pectin subs for sugar in chocolate creams (N)..... 390
1945 candy production (N)..... 1238
Production of candy is high (N).... 82
Consolidated Biscuit and Carr Biscuit companies merge (N)..... 1388
Construction—CPA will approve all essential building (N)..... 714
Construction news 88, 246, 405, 574, 742, 923, 1083, 1253, 1421, 1595

Consumption of Food
Calories or catastrophe in Europe. J. H. Cassels..... *3
Canned foods consumption (N)..... 732
Food crisis—nothing new (ed)..... 325
Food muddle grows worse (ed).... 837
Pessimists foresaw food crisis (ed). 366
Stanford University to study war's food history (N)..... 886
Table shows change in food production (N) 1408
Time to educate the public (ed).. 1003
World food crops are better than last year (N)..... 1246
World food situation critical until 1949, says FAO head (N)..... 885
World food troubles (ed) 701

Containers
Aluminum container 1727
Bag that keeps potato chips fresh..*1381
CPA removes restrictions on 30-lb. containers for frozen foods (N).. 1236
Carton with metal ends (e)..... *422
Container holder (e) *1095
Cooking foodstuff in sealed containers (P) 1478
Dry ice-refrigerated container for shipping frozen food. J. V. Ziemba*1358
Frozen food container (e) *954; 1262
Frozen-food container (P)..... 1968
Future of frozen foods depends on proper packaging. A. P. Dearing..*1196
New packages and products 46, 206, 368, 534, 704, 880, 1044, 1214, 1378, 1556
Paper containers for bulk shortening. F. L. Toof.....*1346
Paper containers with snap-in lid (e) *592
Raisins in Pliofilm-lined bag.....*1047
Tight-wrapped shipping containers.. 344
Contamination of food. B. L. Oser.....*1683

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Controls
Automatic retort controller (e)....*1110
Evacuation control (e)....*1788
Level control (e)....1263; 1444
Multi-position controller (e).... 762
Proportional controller (e).... *268
Speed changer control (e).... 1446

Conveyors
All steel conveyor (e).... 1612
Apron conveyor (e).... 1614
Conveying system (e).... 1616
Conveyor trolley (e).... 587
Evaluating screw conveyors for materials handling. D. O. Mocine.... *852
Evisceration of poultry speeded by conveyors (Picture feature).... *499
Gravity conveyor (e)..*1094; 1452; *1778
Hinged conveyor (e)....*1607
Palletized food shipments. B. W. Skinner....*1020
Portable conveyor (e)..*259; 1275; 1436
Roller conveyor (e).... *755

Cooking
Caution to precooked food freezers (ed).... 44
Cooking foodstuff in sealed containers (P).... 1478
How electronic grille serves hot sandwiches.... *336
Pot pie frozen....*1729
Precooked "Salmon Creole Dinner".. 206
Quality control of precooked frozen foods. Hutchings & Evers.... *184
Quantity cookery offers big market. G. J. Kraft.... *40
Specific heats of foods in cooking W. O. Ordinanz....*1869
Super high frequency heating for preparation of food....*1699
Test marketing of precooked frozen foods....*1724
Cooler, liquid (e).... *428
Cooling towers in the food industries. Edward Simons....*1360

Corn
Corn for popping.... 880
Corn meal standard hearings (N)... 1064
Corn meal standards hearings held again (N).... 904
Hybrid corn to yield 80 percent of total (N).... 1418
Low corn carryover adds to crop value (N).... 1416
Maturity of corn indicated by machine....*1283
New Consistometer measures corn consistency. Adams & Birdsall.... *844
Processors cut quotas (N).... 912
Counter, colony (e).... *944
Counter, photoelectric (e).... 1442
Coupling (e).... *592
Coupling, swivel pipe (e).... 1432
Coverall, neoprene (e).... 1456
Covering of plastic protects idle equipment. A. V. Gemmill....*1540
Cranberry picker (e)....*1606
Cuba and Latin America, a new market for American food. Rafael LaMarche V.... *698

D

DDT
DDT—Steam sprayer. R. B. Formeister....*505
Fly control. C. G. Summers.... 1301
Used for fly control. Sandholzer & Lemon.... *860

Dairy Equipment
Borden plans outlay for equipment (N).... 214
DDT—Steam sprayer. R. B. Formeister....*505
Dairy Exposition highlights....*1849
New devices improve cleaning and effect economies. J. R. Perry....*1518
Supply outlook is far from bright (N) 902

Dairy Products
Dairy Exposition highlights....*1849
Dairy packages.... *704
Lactic acid produced from dairy wastes (A).... 1636
Massachusetts State College offers dairy courses (N).... 74
Powdered cream mix (A).... 1808
Price rise limited to approved wages (N).... 1050
USDA offers program for dairy industry (N).... 562
Volumetric moisture in dairy products (A).... 281
Deep frying batter mix....*1044

Dehydration
American Home Foods alters plans due to equipment delays (N).... 1060
Apple nuggets.... 1885
Common ailments of quality in processed foods. C. W. Kaufman.... *12
Cream sauce powdered for ready use 209
Cull potatoes dehydrated and converted into stock food (A).... 1802
Darkening of dried apricots in storage (A).... 1294
Dehydrating foods (P)....1958
Dehydrofreezing—new way of preserving food. Howard & Campbell.... *674
Dried eggs can develop off-flavors (A) 608
Dried eggs change in storing (A).. 284
Dried eggs—determining fat content. Paley & Rubin....*1194
Dried eggs in cakes (A).... 436
Dried eggs retain vitamin A (A).. 1284
Dried egg storage (A).... 1121
Dried fruit spoilage controlled by fumigation with epoxides. Rita Whelton & others, pt 1, *23, pt 2.. *174
Dried fruit storage (A).... 964
Dried fruits, presweetened.... 373
Dried ice cream mix—keeping quality (A).... 1474
Dried milk flavor (A).... 607
Dried sweet potatoes used as stock feed (N).... 1416
Dried tomato product (P).... 608
Dry milk for ice cream (A).... 281
Drying whole milk (P).... 974
Egg dehydration in Germany.... 1529
Fat-free soup (P).... 780
Flavoring powders for milk drinks.. 49
Freeze-drying peas (A).... 1806
Gas-packing dry whole milk. Coulter & Jenness.... *352
Guava-flavored pectin powder is rich in ascorbic acid. Kanehiro & Sherman....*1688
Ham and sweet potato combination developed. Capt. W. W. Bailey.. *678
Juices, dehydrated (P).... 1802
Keeping quality of egg and milk mixtures (A).... 1296
Laboratory dehydrater (e).... *944
Lecithin added to dairy products before drying (P).... 1470
Low temperature drying for liquids (P).... 1806
Madrilene—dehydrated....*1559
Meat compressibility (A).... 1132
Meat dehydration (A).... 974
Meat dehydration (P).... 1957
Meat dehydration in New Zealand. J. C. Andrews.... *32
Milk dehydration—absorption of CO_2 (A).... 435
Moisture in dried foods (A).... 1956
Molasses dried (P).... 444
Nutritive values of dried food products (A).... 1970
Non-enzymatic browning symposium 1523
Oxygen in dried milk (A).... 1121
Pork scrapple, dehydrated (N).... 74
Potato preservation (A).... 136
Potatoes, dehydrated, wrapped in glassine in cartons.... *49
Powdered cream mix (A).... 1808
Prunes processed by electronics....*1047
Rehydrate dry milk in Mexican capital (N).... 1732
Soup powder.... *49
Specific heat of foods (A).... 446
Spoilage of foods. B. L. Oser....*1683
Sweet potato flour.... 46
Sweet potato gels—something new. Baker & Woodmansee.... *196
Tin protects dried soup.... *537
Trichinae killed by 120-deg. F. Dehydration. Spindler, Dunker & Hankins.... *342
Vegetable flakes processed.... 1378
Water content of powders determined by rapid method. W. P. Turner, Jr.... *502
Dehydration see also Compressed food
Depreciation reserves (ed).... 1041
Desiccation of food (P).... 1958
Desserts—Baby dessert.... *537
Detergent.... 1106
Detergent, alkaline-type (e).... 1263
Dew-point recorder (e).... *114
Dexigraph photocopies monthly sales records of Best Foods. E. A. Lovelock.... *345
Distillation—Grains for beverage makers is cut (N).... 402
Drum sling (e).... 1786
Drums—Shortage shows no improvement (N).... 1414
Dumper, bag (e).... *270
Dust collector (e).... *756

E

Eggs
Color changes in eggs (A).... 964
Dehydration of eggs in Germany.... 1529
Dept. of Agriculture purchases frozen and dried eggs (N).... 1250
Development of food products in wartime Germany. G. T. Carlin..*1526
Dried eggs bought by Dept. of Agriculture (N).... 734
Dried eggs can develop off-flavors (A).... 608
Dried eggs change in storing (A).. 284
Dried eggs for export commitments (N).... 400
Dried eggs in cakes (A).... 436
Predicting egg solids (A).... 1121
Rapid method for determining fat content of dried eggs. Paley & Rubin....*1194
Salmonella in dried eggs (A).... 968
Storage of dried eggs (A).... 1121
Use of whole-egg powder in making sponge cake (A).... 1635
Vitamin A in dried eggs (A).... 1284

Electronics
Electronic heat in the food industries. V. W. Sherman....*506
Electronic tachometer (e)....*1778
Frozen foods defrosted by electronic heat. W. H. Cathcart....*1524
High frequency heat needs much research (N).... 1580
High frequency heating produces mold-free bread. W. H. Cathcart *864
High-speed dispenser. (e).... 1614
How electronic grille serves hot sandwiches....*336
Processing prunes by electronics....*1047
Sorting bad beans from good ones by electronics....*1031
Sterilization by electronics. Benjamin & Ecklund.... *523
Super high frequency heating for preparation of food....*1699
Switch (e).... 1104
Elevator, bucket (e)....*1433

Equipment
Chemical Industries Exposition—preview of exhibit. L. C. Mazzola.... *166
Deliveries of equipment show big improvement (N).... 542
New plastic covering protects idle equipment. A. V. Gemmill....*1540
New price method may speed equipment (N).... 68
Surplus war materials may equip food plants (N).... 1410
Europe—Calories or catastrophe. J. H. Cassels.... *3
Some recent developments in human feeding. Sir Jack Drummond.... *327

Exports
Britain buys (N).... 1764
FAO world summaries important to industry (N).... 1566
Food Crisis—nothing new (ed).... 325
Grain exports scheduled (N).... 1756
President's new food program hits meat packers and millers (N).... 375
Pros and cons of exports (ed).... 878
U. S. food exports top 16,000,000 tons (N).... 1242
Watch the pipe lines (ed).... 1337

F

Famine Emergency Committee (ed).... 531
Farm Panel of America formed by GMA (N).... 1732
Feeds for cattle bearing vitamins (P).. 1642
Fermentation—Making high strength vinegar (P).... 768
Fertilizer, bacterial (A).... 1472
Fire extinguisher, dry chemical (e).... 1440
Filler, carton (e).... *103
Filleting machine for fish cuts all commercial sizes. J. V. Ziemba....*1530
Filter, small (e)....*1779
Finance—expansion plans force Heinz to offer stock (N).... 1732
Fire extinguisher (e)....262, *590, *940, 1106
Fire fighter for industrial hazards (e)...*1780
Fire hose (e).... 1610

Fish
Alaska salmon outlook dark for this year (N).... 740
Alaska trap sites not to be changed this year (N) 394; (N).... 570
Australia expands fishing industry. A. Makaroff.... *530
Brisling packed by belt-line system (N).... 1062
Canada's growing fish industry. James Montagnes....*1718
Canned sardine imports (N).... 734
Cocktail herring.... 707
Control of rancidity in stored fish (A).... 968
Filleting machine cuts all commercial sizes. J. V. Ziemba....*1530
Fishing ships available (N).... 716
Floating fish cannery leased to Seattle Co. (N).... 236
Form fitting fillets....*1378
Freezing point data sheets and cooling curves, pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5....*1716
Halibut allocation (N).... 920
Herring oil for Norwegian canning (N).... 740
How fish liver sampler works. Sanfore & McKee.... *677
New germicidal ices (A).... 1644
Norway develops fish freezing plans (N).... 1412
Norway packs sardines in aluminum can....*1885
Salmon canning.... *856
Seattle harbor to be enlarged (N).. 570
Top icing of truck loads of perishable foods....*1202
Trout spread.... 1378
Tuna packed rapidly by Pac-C-Lector.... *527
Unloading cargo of fish from vessel by hydraulic system (P).... 1128
Flame-failure safeguard (e).... *264
"Flash freezing" of foods. L. C. Mazzola.*1841

Flavoring
Basting liquid.... 704
Common ailments of quality in processed foods. C. W. Kaufman.... *12
Peanut butter improved by changing flavor and texture. Woodroof, Thompson & Cecil.... *525
Planning for clean flavor. J. A. Dunn.... *188
Powdered flavor (P).... 618
Powders to flavor milk drinks.... 49
Protein hydrolysates—flavor ingredients for foods. L. A. Hall.... *681
Stored frozen stock produces better preserves. Thompson, Cecil & Woodroof....*1341
Vanilla, imitation, for ice cream.... *211
Why fat, sugar and meat are so important (ed).... 43
Flavoring Extract Mfrs. Assn. meeting (N).... 1052
Floors—Designing the proper concrete floors for the food plant. R. D. Rader....*1026

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Flour
Aging wheat improves baked goods (A) ... 607
Apple pie mix ... *1882
Australian flour (N) ... 734
Bisquick adds bran ... 1378
Carotene loss in stored leaf meals (A) ... 963
Coffee cake mix ... *1885
Corn meal standard hearings (N) .. 1064
Corn meal standards hearings held again (N) ... 902
Cut flour deliveries to mill-owned plants (N) ... 1248
Cut in milling (N) ... 914
Development of food products in wartime Germany. G. T. Carlin .. *1526
Donut Mix ... *1378
Flour mills go to "80". D. B. Pratt, Jr. ... *494
Gingerbread mix ... *539; *1381
Inhibitors of sulphate reducing bacteria (A) ... 290
Milling process (P) ... 769
Mills realign for lower extraction (N) ... 1388
New flour requires some baking adjustments. R. T. Bohn ... *492
Paste standards eased by proposed amendment (N) ... 1066
Pie crust mix package has eye-appeal ... *537
Popcorn flour adopted by Chicago baker (N) ... 900
Popover mix ... 537
Semolina manufacturers hit by new flour order (N) ... 572
Separation of starch and gluten (A) 440
Standards on alimentary pastes issued (N) ... 1234
Sweet potato flour ... 46
Fly screen, electric (e) ... *1432

Flowsheets
Dehydration of Meat ... 33
New boxes from old ... *34
Protein hydrolysate flow sheet ... 684
Fluorine—Handling fluorine manual put out by Pennsylvania Salt Mfg. (N) .. 1582
Folic acid takes its place in the vitamin B series. Haldane Gee ... *1186
Food see Consumption of food

Food and Agricultural Organization
FAO might save us money ... 1513
Sets up council on emergency foods (N) ... 1222
World food problems discussed at meeting (N) ... 1049
World summaries important to industry (N) ... 1566
Food consumption see Consumption of food
Food & Drug & Cosmetic Act—Forty years with the food law (ed) ... 1211
Results of the "may have" clause (ed) ... 36
Food Industries—Additions to staff (N) *718
Staff changes (N) ... 64
Food Processors Foundation—Frozen food accounting discussion (N) ... 898
Foreman—so you want to be a foreman? W. R. Van Meter ... *163
Formulas and the law. W. T. Woodson .. *1701
Formulas—Peanut butter formulas ... 636
Frankfurter banding (e) ... *1271
Freight rates—Air and rail freight coordinate service (N) ... 908
Frozen Food Foundation meeting (N) .. 712
Frozen Food Institute holds exposition and convention (N) ... 714

Fruit Juices
Apple juice clarified (P) ... 1648
Apple juice test (N) ... *552
Dehydrated juices (P) ... 1802
Frozen apple juice holds up in tests (N) ... 394
Frozen orange juice (Picture feature) 670
Frozen orange juice for door to door sales ... 1882
Frozen orange juice concentrate (N) 722
Germans using improved methods to preserve fruit juices. Z. I. Kertesz *496
Orange juice delivered by the milk man. Earle Mauldin ... *1713
"Orange juice"—words orange juice —the thing. B. C. Baum ... 191
Tangerine juice ... 709
Tangerine juice in large production (N) ... 1752

Fruits
Apple crop retarded (A) ... 444
Apple crop to be large in 1946 (N) .. 400
Apple with high vitamin C discovered at Geneva (N) ... 240
Ascorbic-Citric acids prevent browning of cut fruit. Luther & Cragwall ... *690
Brazilian mandarins canned ... 206
Creeping fruit trees produce in Siberia (N) ... 736
Darkening of dried apricots in storage (A) ... 1294
Dehydrofreezing—new way of preserving food. Howard & Campbell *674
Dried fruit spoilage controlled by fumigation with epoxides. Rita Whelton & others pt 1 *23, pt 2 .. *174
Dried fruit storage (A) ... 964
Dried fruits, presweetened ... 373
Flavor retention in frozen strawberries (A) ... 1466
Frozen foods defrosted by electronic heat. W. H. Cathcart ... *1524
Frozen fruit tests (A) ... 134
Grapes unloaded mechanically. Ze'ev Halperin ... *331
Guava-flavored pectin powder is rich in ascorbic acid. Kanehiro & Sherman ... *1688
Ion exchange plant recovers sugar from fruit waste ... *1846
May frost (N) ... 914
Non-enzymatic browning symposium 1523
Nutritive values of dried food products (A) ... 1970
Orange peel oil market opened by chemistry (N) ... 228
Precooling perishables in refrigeration units mounted upon trailers and trucks. R. A. Latimer ... *9
Prepackaging perishables. R. E. Bauer ... *360
Quality grades are essential for frozen food packs. G. A. Fitzgerald ... *874
Stored frozen stock produces better preserves. Thompson, Cecil & Woodroof ... *1341
Sugar content no bar in decontrol of food (N) ... 1746
Two-fruit tree (N) ... *1584
"Undercooling" retards freezing of canned foods pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5 ... *1716
Fumigation—Control of microbiological food spoilage by fumigation with epoxides. Rita Whelton & others pt 1 *23, pt 2 ... *174

G

Gages
Flow gage (e) ... *754
Oil gage (e) ... 259
Streamline gage (e) ... *1786
Vacuum gage (e) ... *103
Gas measuring instruments (e) ... 1618
Gaskets, silicone rubber (e) ... 1450
Gee, Dr. Haldane, added to staff ... *542
Generator, A-C (e) ... *1266

Germany
All that's left of German chocolate industry. W. T. Clarke ... *1183
Canned bread will keep for a long time (N) ... 724
Continuous butter making successful in wartime Germany. A. V. Gemmill ... *841
Development of food products in wartime Germany. G. T. Carlin .. *1526
Food plants found to be spotless (N) 56
Frozen foods skyrocketed in wartime Germany ... 183
How German chocolate ration was made for Wehrmacht. W. T. Clarke. *1695
How improved methods preserve fruit juices. Z. I. Kertesz ... *496
Immersion freezing in liquid nitrous oxide. Gordon Mackinney ... *667
Meat packing and processing in wartime Germany. G. T. Carlin ... *1018
Nazi food technology (ed) ... 1376
Rye report (N) ... 1058
Sidelights on food processing from McGraw-Hill man in Berlin ... *1529
What do we want from Germany? P. A. Deutsch ... *847
Germicidal lamp (e) ... *598
Glass containers—Unscrambler (e) ... 936
Glass jar standardizations revoked over industry's head (N) ... 1731
Glass piping fabrication in your plant. B. W. Whitehurst ... *1348
Glove, work (e) ... 1448
Grading—Quality grades are essential for frozen food packs. G. E. Fitzgerald *874
Powdered milk grading test. A. E. Leighton ... *1857

Grain
Anaerobic change (A) ... 123
Candy and beer makers slowed by grain cut (N) ... 730
Exports of grain scheduled (N) ... 1756
Georgia wheat (N) ... *1078
Improved grain supply shown in flour action (N) ... 1588
Millers concerned over wheat shortage (N) ... 236
Open air storage of wheat (N) ... *1220
President's new food program hits meat packers and millers (N) 375
Russia's perennial wheat (N) ... 1072
Starch determinations (A) ... 778
Temperature changes of wheat in bulk (A) ... 442
Transferring grain from rail siding to bins by pneumatic system ... *970
Wheat crop prospect high (N) ... 918
Wheat cut is probed by Millers' Federation (N) ... 888
Wheat saving holds despite heavy crops (N) ... 1410
Wheat swapped for corn but nobody's happy (N) ... 1244

Great Britain
Some recent developments in human feeding. Sir Jack Drummond *327
Training boys and adults for the meat and other food trades (N) .. *1578
U. S. joins Britain in packging studies (N) ... 1570
Grocery Manufacturers Assn. has a record of damage claims (N) ... 1736
Grocery Manufacturers of America Farm Panel of America formed (N) ... 1732
Guava-flavored pectin powder. Kanehiro & Sherman ... *1688

H

Heat
Electronic heater see Electronics
Heat exchanger (e) ... *112
Heat sealer (e) ... 259
Immersion heater (e) *946; (e) ... 1624
Specific heat of foods (A) ... 446
Specific heats of foods in cooking. Ordinanz ... *1869
High frequency see Electronics
Hoist, electric (e) ... 588
Hose, spray (e) ... 587
Hose, ventilating (e) ... *110
How to get a job. Austen Stone ... *1515
Hydraulic unit (e) ... 1610
Hygrometer, electric (e) ... 1606

I

Ice cream
Dry milk for ice cream (A) ... 281
Keeping quality of dried ice cream mixes (A) ... 1474
"OZ" ice cream ... *883
Stabilizer for ice cream ... 46
Stabilizer for ice cream (P) ... 1132
Ice crushing machine (e) ... *1778
Ice industries plan fresh food research (N) ... 86
Ice making machine (N) ... 720
Industry—Mississippi attracts industry and aids state. David Markstein .. *1022
Infra-red units (e) ... 934
Inks, odorless printing (e) ... 1102

Institute of Food Technologists
Report of Buffalo conference ... *663
Program for meeting (N) .. 213, 214, 380
Insects see Pest control
Insulating window (e) ... *1784
Insulating your ceiling. C. H. Minster ... *1850
Insulator, plastic (e) ... *1263
International Technical Congress in Paris (N) ... 1744
Inventory—industrial inventory no cause for alarm (ed) ... 1721
Ion exchange plant recovers sugar from fruit waste ... *1846

J

Jack, flange- (e) ... *934
Jacks and semi-skids (e) ... *1273

Jams and Jellies
Gelatin extraction (A) ... 294
Guava-flavored pectin powder is rich in ascorbic acid. Kanehiro & Sherman ... *1688
How sugars affect dispersibility of pectins in gel powders. Woodmansee & others ... *356
Pectin subs for sugar in chocolate creams (N) ... 390
Stored frozen stock produces better preserves ... *1341
Sweet potato gels—something new. Baker & Woodmansee ... *196
Jaw crusher (e) ... 1610
Joint, expansion (e) ... *1433

L

Labeler (e) ... *259
Labeling machine (e) ... *1104

Labor
AFL reverses CIO in West Coast election (N) ... 1568
Analysis shows CIO and AFL positions on four critical issues (N) .. 1564
Bowman Dairy renews educational program (N) ... 1408
California unions to vote at operation peak (N) ... 1232
Carr bakers get new wage contract (N) ... 220
Crisis in employee relations. O. C. Cool ... *7
Did Lubin lead us astray? (ed) 877
Employee's vs. shareholder's earnings (ed) ... 1375
How to get a job. Austen Stone *1515
How to pay the high wages (ed) .. 1
Job evaluation may help to minimize stoppages. C. W. Risberg .. *489
Labor forgets the investor (ed) 161
Labor to abandon its freedom (ed) .. 1553
Pay to meat packers higher than in 1944 (N) ... 216
Price rise limited to approved wages (N) ... 1050
Scholarships awarded to Carnation families (N) ... 1219
Shelter sought for transient food help (N) ... 904
Steel strike impairs food industry output (N) ... 224
Teamsters blast rivals in coast cannery fight (N) ... 1230
Wage earners and other statistics of food manufacturing. Leffler & Brown (tables) ... 39
Wage increases for meat packers (N) 564
Wasting our substance in riotous striking (ed) ... 487
West Coast labor conflict may bring canners serious losses (N) ... 541
What are employee relations? A. R. Cook ... *839
Lactic acid produced from dairy wastes (A) ... 1636

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Lamps, portable electric (e)..... *1454
Laws and legislation
Flannagan-Hope Act (N)..... 1563
Formulas and the law. W. T. Woodson *1701
Governmental agencies confined by enactment of new law (N)..... 1734
Keeping an eye on law suits. L. T. Parker *198
Lecithin—Use of lecithin in bread. D. B. Pratt Jr. *16
Leggings, protective (e)..... 1450

Letters from Readers
Amen. George Loft..... 1139
Another aspect 145
Brickbat 303
Candy kettles—copper or stainless?.. 627
DDT and fly control. C. G. Summers 1301
Fault lines with colleges..... 145
Freezing should be weaned. S. P. MacDonald 1139
Gripe about questionnaires..... 303
Offers poor Richard a job..... 145
Things Poor Richard doesn't understand 303
Vacuum not a preservative. A. E. Stevenson 1301
Levulose extraction process announced (N) 1582

Lighting
Better light: better work. J. S. Walsh pt 1 *1548, pt 2.....*1705
Curing lighting defects.....*1195
Floodlight unit (e) 1264
Fluorescent lamps (e) *1094
Illumination studies for canneries. H. K. Wilder 521
Light bulb (e) *259
Locked lamps (e) *424
Liquid level indicator (e).....*1792
Load lifter (e)..... *262
Locker plants see Refrigeration

Lubrication
Automatic lubricator (e)..... 1612
Oil analysis spots engine faults in trucks *693
Silicone greases (e)..... 106

M

Macaroni
Paste standards eased by proposed amendment (N)..... 1066
Standards on alimentary pastes issued (N)..... 1234
Maintenance—Card system controls fleet inspections *1032

Management
Crisis in employee relations. O. C. Cool *7
Job evaluation may help to minimize stoppages. C. W. Risberg... *489
Managing a small plant is a large task. H. W. Richter.....*1339
What are employee relations— A. R. Cook *839
Why not a technologist, Mr. Baker? W. R. Van Meter.....*1005
Manhole cover support (e)..... 1611
Manufacturing statistics of food and kindred product industries Leffler & Brown (tables) 39
Margarine—
Coloring margarine *1044
Vitamin A deterioration in reinforced oleo (A)..... 1635
Marking attachment, case (e).....*1433

Marketing and Distribution
A & P decision (N)..... 1731
The A & P decision (ed)..... 1721
Are prepackaged frozen meats ready for the retailer? F. W. Specht..*1192
Best Foods photocopies monthly sales records. E. A. Lovelock.... *345
Bigger trucks cut meat delivery cost.*1877
Card system controls fleet inspections*1032
Cuba and Latin America, a new market for American food. Rafael Lamarche V..... *698
Dispensing unit for packaged foods used in Supermarket *1861
Every-other-day delivery reduced prices and costs. Alexander Morrow *347
Facts to guide postwar decisions. A. E. Nielsen..... *358
Fifth wheel cuts loading time.....*1714
Frozen foods in the retail market. Harry Carlton..... *696
Frozen orange juice for door to door sales 1882
Frozen shrimp trucked over desert roads *1551
Hot or cold air for foods in transit.. *28
Manufacturers responsibility goes clear to consumer (ed)..... 1376
Mass feeding offers big market. G. J. Kraft *40
Merging of small companies with large ones (ed)..... 701
Orange juice delivered by the milk man. Earle Mauldin *1713
Packer hauls tomatoes the year round *1368
Palletized handling cost cut with nationwide exchange. D. I. Pursley..*1870
Precooling perishables in refrigeration units mounted upon trailers and trucks. R. A. Latimer..... *9
Reversible refrigeration for fods in transit *28
Sausage delivered in Illinois by refrigerated trucks..... *518
Snow Crop frozen foods in selling campaigns (e) 707
Tank trucks haul yeast and malt.... *201
Test marketing of precooked frozen foods *1724
Top icing of truckloads of perishable foods *1202
U. S. Dept. of Agriculture announces new setasides (N)..... 906

Materials Handling
The do's and the don'ts of materials handling. J. L. Thompson.....*1175
Fluorine handling manual (N)..... 1582
Grapes unloaded mechanically. Ze'ev Halperin *331
How to handle corn sirup. A. E. Filippon *1686
It's time to standardize materials handling equipment. Nathaniel Warshaw *178
Palletized food shipments. B. W. Skinner *1020
Palletized handling cost cut with nationwide exchange. D. I. Pursley *1870
Materials handling see also Conveyors, Pallets, Trucks.
Mayonnaise—Vitamins in mayonnaise.. *373

Meat
Allocations of meat for first quarter of 1946 (N) 53
Are prepackaged frozen meats ready for the retailer? F. W. Specht....*1192
Bacon hook (e)..... *420
Bacon rancidity retarded by antioxidants (A)..... 281
Bacon spoilage (A)..... 435
Beef loses flavor if aged before freezing (N) 1740
Bleaching prevented by salts (P).. 614
Bureau of Animal Industry will resume enforcement activities (N).. 1414
Canned hamburgers 534
Canned meat for little ones.....*1381
Chicago stockyards (N).....*1222
Chicago stockyards low in cattle (N) *711
Compressibility of meats (A)..... 1132
Damage by freezing to canned meat products containing carbohydrates. B. W. Gardner Jr..... *192
Dehydrated port scrapple (N)..... 74
Dehydrating meat (A)..... 974
Dehydrating meats (P)..... 1957
Dehydrating meat in New Zealand. J. C. Andrews..... *32
Delivery cost cut by bigger trucks...*1877
Fast freezing adds tenderness to meat (N) 234
Frankfurter banding (e).....*1271
Freezing point data sheets and cooling curves pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5.....*1716
Frozen meats protected by proper packaging. J. V. Ziemba.....*1710
German meat industry in wartime. G. T. Carlin.....*1018
Ham and sweet potatoes canned. Capt. W. W. Bailey..... *678
Hog gambrels (e)..... *762
Meat decontrol (ed)..... 1721
Meat lug (e) *756
Moisture control test of beef extract (A) 132
Packers' strike is really dynamite (ed) 203
Packers unload help while feeders hold on (N) 1578
Packing house labor (N)..... 1080
Plant plant sanitation calls for good housekeeping. Laing & Barret...*1354
Pay to meat packers higher than in 1944 (N) 216
President's new food program hits meat packers and millers (N).... 375
Production of meat for three years (chart) 70
Recontrol wholly impractical says Willis (N) 1386
Salvage method saves tainted meat (N) 1738
Sausage casing unpeels itself.....*1556
Sausage delivered in Illinois by refrigerated trucks..... *518
Sausages—how to prevent rancidity in frozen pork sausage. Wiseman & Ziemba (tables) *1863
Set-aside orders (N)..... 1076
Supply prospects considered by American Meat Institute (N)..... 1746
Thawing temperatures (A)..... 614
Trichinae killed by 120-deg F. dehydration. Spindler, Dunker & Hankins *342
Vitamin retention in processed meats (A) 963
Metal detector, electronic (e).....*1433
Meter, bellows (e)..... 1779
Meter, differential flow (e)..... 950
Micrometer, optical (e).....*1607
Midwest Frozen Foods Council formed (N) 564
Mildew-proofing agent 1788

Milk
Casein from milk powder (P)..... 774
Consumers to decide on delivery of milk (N) 78
Dehydration of milk—absorption of CO (A) 435
Dried milk flavor (A)..... 607
Dry milk for ice cream (A)..... 281
Drying whole milk (P)..... 974
Every-other-day delivery reduced prices and costs. Alexander Morrow *347
Frozen cream (A)..... 124
Gas-packing dry whole milk. Coulter & Jenness..... *352
Goats milk—bacteria, fat and vitamins (A) 966
Grading test for powdered milk. A. E. Leighton *1857
Homogenized milk in white sauces (A) 1470
How scale prevention cuts bottle washing cost. P. E. Piper pt 1 *1024; pt 2.....*1198
Ice bank reduces refrigeration peak load in milk plants. C. H. Minster *1016
Improved milk test shows pasteurization (N)..... 1066
Irradiation of milk (A)..... 966
Keeping quality of egg and milk mixtures (A) 1296
Lecithin added to dairy products before drying (P)..... 1470
New thermolabile food factor (ed).. 1042
Oxygen in dried milk (A)..... 1121
Pasteurized milk (P)..... 607
Production decline in 1946 (N).... 226
Quick frozen cream (A)..... 1292
Rehydrate dry milk in Mexican capital (N) 1732
Return bottles poster.....*1074
Stability and viscosity of cream-style foods (A)..... 1130
Sterilization of milk (P)..... 1808
Top icing of truck loads of perishable foods *1202
Whey proteins (A)..... 436
Millers National Federation (N)..... 883
Mississippi attracts industry and aids state. David Markstein.....*1022
Missouri Farmers Association plans new milk plant (N)..... 886
Mixing unit for research..... *54
Moisture tester (e)..... *760
Molasses see Sirups and Molasses
Molybdenum deficiency disease (ed).... 532
Monochloracetic acid forbidden in food (N) 86
Monosodium glutamate—Production expanded (N) 1572
Motor, all steel (e).....*1779
Motor, totally inclosed (e).....*755
Motor starter, magnetic (e).....*1108
Mung bean sprouts grown for canning. W. F. Kuhn *1858

N

National Canners Association meeting (N) 376
National Confectioners Assn.—convention (N) 1224
Establishes sales training program (N) 1744
National Cream Quality Program joins with American Butter Institute (N). 72
National Dehydrators Assn. appoint managing organization (N) 1734
National Pickle Packers Association meeting (N)..... 54
National Wholesale Frozen Food Distribution formed (N)..... 84
New Zealand—How meat is dehydrated in New Zealand. J. C. Andrews *32
Nitrous oxide method of freezing by immersion. Gordon MacKinney..... *18
Northwestern Yeast to be liquidated and reorganized (N)..... 1394
Norway—Fish freezing plans developed (N) 1412
Packs sardines in aluminum can.....*1885
Nozzle, hydraulic atomizing (e).....*1262
Nozzle, pneumatic atomizing (e).....*1434
Nozzle, spray (e).....*1452

Nutrition
Does instinctive appetite correct science. B. D. Ingels..... 177
Even beneficial food may harm total diet (N) 62
Nutritive values of dried food products (A) 1970
Some recent developments in human feeding. Sir Jack Drummond..... *327
Nutrition Foundation
Awards 14 new grants (N)..... 904
Broadens its research (N)..... 216
Nut, lock (e)..... *758
Nuts—Shelling nuts by machine (Picture feature) 30
Short pecan crop (N)..... 1592

O

Odors—Planning for clean flavor. J. A. Dunn *188

Office of Price Administration
Ceiling prices off some food machinery (N) 1566
Defects of price control (ed)..... 1173
Diagnosing OPA ills (ed)..... 1041
OPA causing unemployment (ed).. 1041
Parity price formula unsuitable as guide (N) 80
Price control confusion (ed)..... 1553

Oils and Fats
Carotene in oils (A)..... 776
Comminuted shortening (P)..... 1465
Corn oil with crushed olives..... *709
Development of food products in wartime Germany. G. T. Carlin...*1526

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Domestic fat supply brighter next year (N) 1754
Exports moving on schedule (N)... 1074
Extracting cottonseed oil with hexane (A)..... 1465
Fat shortage (N)..... 84
Linolenic acid removed (A)..... 123
New antioxidants (P) 1957
Non-break soybean oil (P)..... 963
Oil of angelica. Ernest Guenther.. *36
Orange peel oil market opened by chemistry (N) 228
Philippine coconut industry. Herbert Leopold *1535
Phosphatides retard rancidity (A).. 770
Quota ended by USDA..... 568
Rancidity determination of soybean flour (A) 281
Retarding rancidity in fats and oils (P) 1635
Seed oil analysis (A)..... 123
Shortening in bulk packaged in improved paper containers. F. L. Toof *1346
Shortage of fats and oils reviewed by House Committee (N)..... 1385
State quotas uniform for fats and oils (N) 1760
Supply causes cut in quotas (N).... 1250
Tannins improve fats (A)..... 1283
Vegetable oil supply changes are foreseen (N)..... 1070
Vegetable oil yield increased by new process (N) 1400
Oil purifier (e).....*1448
Oil-seed used in candy. Hall, Fahs & Charbonnet *1008
Onions
French fried onions frozen *1724
Hybrid onions (N).....*1248
Tearless onions *371
Operation recorder (e)..... 1611
Ovens, frozen meal (e).....*1094
Oxygen recorded (e)..... 758
Oyster mortality (N)..... 738
Oyster standards proposed (N)..... 1236

P

Packaging
Aluminum foil for frozen foods..... *883
Aluminum foils moisture.....*1556
Analyzing the problems of prepackaging perishables. R. E. Bauer... *360
Apparatus for packaging food products (P) 778
Chocolate bids repackaged..... *46
Chow mein dinner packaged.....*1727
Coffee packaging machine (e).....*1095
Color harmony for packages.....*1724
Crackers in color..... *46
Crackers in interesting package.....*1047
Crackers wrapped for traffic..... *211
Debunking a color theory. A. Harsham *851
Dehydrated potatoes in cartons.... *[illegible]
Descriptive labeling *880
Dispensing unit for packaged foods used in Supermarket *1861
Display carton for dehydrated soups. *704
Five sauces packed in carton.....*1729
Foil package extends merchantable life of peas. C. A. Sumner.....*1538
Future of frozen foods depend on proper packaging. A. P. Dearing..*1196
Gas-packing dry whole milk. Coulter & Jenness 352
German chocolate ration was wrapped in cellophane by an ingenious machine. W. T. Clarke...*1695
Gift packages.....*1556
How packaging problems are tackled in food plants. F. W. Toof.....*1854
How processors can test and improve their own packages. A. L. Pitman *1038
Improved paper container for bulk shortening. F. L. Toof.....*1346
Manufacturer purchases right to title and characters of a book for a trademark *883
Moisture-proof wrapper (P)..... 1968
Needed: improved specifications for packaging supplies (ed)..... 203
New boxes from old. V. A. Dash.. *34
New packaging laboratory (N).... 560
New packages and products 46, 206, 368, 534, 704, 880, 1044, 1214, 1378, 1556, 1724, 1882.....
Packaging machine (e)..... *935
Packaging supplies still behind demand (N) 771
Paraffined Carton Research Council studies butter packaging (N).... 910
Peacetime food compression. C. A. Magoon & associates..... *362
Penetration of wrapping materials by molds (A) 1122
Pie crust mix package has eye appeal *537
Potato chips well-wrapped.....*1559
Prepare for nitrogen packaging (ed) 702
Proper packaging protects frozen meats. J. V. Ziemba.....*1710
Quality control means better packaging. D. M. Brown *350
Restyled frosted foods package....*1044
Sausage casing unpeels itself.....*1556
Thread slicer in bread package....*1561
"Two-faced" package, a change for cereal company *206
U. S. joins Britain in packaging studies (N) 1570
Vapors in mold control (A)..... 1640
What are the potentialities of new films and foils? F. I. Hanmer Jr *1365
What is the protective value of the double overwrap? Rabak & Stark.*1690
Packaging see also Wrapping
Packaging Machinery Manufacturers Institute Meeting (N)..... 1736
Pack-coding avoids grief. Max Mergentime *1014
Packing machine (e) 936
Paint for roofs..... 1096
Pak-C-Lector packs rapidly..... *527
Pallets
Aluminum pallets (e).....*1440
Expendable pallet (e) 1456
Palletized food shipments. B. W. Skinner *1020
Palletized handling cost cut with nationwide exchange. D. I. Pursley.*1870
Propose two sizes as pallet standards (N) *1576
Paraffined Carton Research Council studies butter packaging (N) 910
Pasteurization
Beer pasteurization (A)..... 618
Improved milk test shows pasteurization (N) 1066
Short-time high-temperature process for milk 607
Patents—Five patent bills await Senate action (N) 1052
Vitamin D patents now public property (N) 236
Peanut butter improved by changing flavor and texture. Woodroof & Cecil *525
Peanut butter, stable (P) 1474
Peas
Canned peas standard hearing to be held (N) 1738
Foil package extends merchantable life of peas. C. A. Sumner.....*1538
Freeze-drying peas (A)..... 1806
Peas add calcium when blanched in hard water (N) 392
Young peas have higher vitamin content (N) 1244
Peelers—Rotary machine solves lye peeler problems for sweet potatoes. Thurber & Bohne *10
Potato peeling methods analyzed and and appraised. L. C. Mazzola pt 1 *1708, pt. 2 .....*1874
Pest control
Carbon dioxide used to control rodents and scald in apple storage (A) 1640
DDT and fly control. C. G. Summers 1301
DDT for Jap beetles (N)..... 242
DDT-steam sprayer. R. B. Formeister *505
Food plant sanitation is not just a chore. M. E. Parker pt 1 *332 pt 2 .....*510
Insect control (A) 290
Insect control device (e)..... 600
Insecticides (A) 780
Insecticide bomb (e) *417
Insecticide dispenser (e) 1606
Insecticide, Odorless 1782
Non-poisonous insecticide (e)..... 1622
Packing plant sanitation calls for good housekeeping. Laing & Barrett *1354
Roaches abolished (N) 64
Single pest-control mixture (e).... 1620
Using DDT for fly control. Sandholzer & Lemon *860
pH meter (e) *598
pH test papers (e).....*274
Philippine Islands—Coconut industry. Herbert Leopold *1535
Photocopying sales records. E. A. Lovelock *345
Photometers used in studying food spoilage *1684
Pickles—Chili sauce relish *211
Packers urge use of war containers (N) 54
Pineapple, Hawaiian, quick frozen.....*1727
Pipes
How to fabricate glass pipe in your plant. B. W. Whitehurst *1348
Internally plated (e) 417
Pipe coupling, swivel (e)..... 1432
Pirani tubes (e) *1786
Plant layout for freezer locker plant...*1543
Plant sanitation for meat packing. Laing & Barrett *1354
Plastic insulator (e) *1263
Plastics—New plastic covering protects idle equipment. A. V. Gemmill....*1540
Pliofilm for frozen foods (e).....*952
Pneumatic conveying of grain from rail siding to plant bins *870
Poisoning—how foods spoil. B. L. Oser.*1683
Toxic organisms in soil (A)..... 1801
Staphylococcus food poisoning still a serious problem. G. M. Dack..... 1868
Pollution of water and food detected by new rapid test *1862
Potatoes
Bag for potato chips.....*1381
Basket for potatoes (e).....*596
Dehydrated stock food from cull potatoes (A) 1802
Dehydration of potatoes (A)..... 136
Dried sweet potatoes used as stock feed (N) 1416
French fries frozen *371
Frozen raw potato pancake batter.. 371
Ham and sweet potato combination developed. Capt. W. W. Bailey.. *678
Peeling methods analyzed and appraised. L. C. Mazzola pt 1 *1708, pt 2 .....*1874
Potato chips well-wrapped.....*1559
Potato yields (A)..... 963
Removing potato skins (P)..... 1473
Selecting and storing potatoes to avoid darkening *1011
Sweet potato gels—something new. Baker & Woodmansee..... *196
Sweet potatoes peeled with rotary lye peeler. Thurber & Bohne.... *10
Wafer developed that utilizes skim milk 232
Postwar planning. Facts to guide postwar decisions. A. C. Nielsen..... *358
Poultry
Boned chicken *363
Chicken undressed (N) *732
Conveyors speed evisceration of poultry (Picture feature)..... 499
How to buy poultry. Williams & Gardner *872
Ohio State University expands its poultry course (N) 1402
Powders to flavor milk drinks..... 49
Power factor regulator (e)..... 1616
Power unit (e) *1268
Pre-collector (e)..... 1438
Pressure reducer (e)..... *426
Pretzels in tin..... *209
Prices—benefits of low price ceilings (ed) 1681
Price Decontrol Board acts (ed)..... 1375
Price Decontrol Board (N).....*1386
Prices see also Office of Price Administration
Propionate as a germicide (A)..... 610
Propionic acid as inhibitor of mold growth (A) 1134
Protein hydrolysates—flavor ingredients for foods. L. A. Hall..... *681
Prunes processed by electronics.....*1047
Public relations. Visitors are coming (ed) 702
Puddings
Mince meat pudding *51
Royal puddings *880
Pulverizer, screenless (e)..... *755
Pumps
Diffusion pump (e)..... 1610
Fish unloading method (P)..... 1128
Gasoline driven pump (e).....*1616
Gearless pump (e)..... *935
Proportioning pump (e)..... *259
Pump booster (e)..... 1607
Rotary (e) *272
Screw pump (e)..... *104
Variable stroke pump (e)..... 1618
Push button food..... *80
Pyrometer, portable (e).....103; 1452

Q

Quality Control
Are food identity standards assets or liabilities? F. N. Peters.....*1180
Ascorbic-citric acids prevent browning of cut fruit. Luther & Cragwall *690
Better packaging for quality control. D. M. Brown..... *350
Common ailments of quality in processed foods. C. W. Kaufman..... *12
Consistometer measures corn consistency. Adams & Birdsall..... *844
Freezing should be weaned. S. P. MacDonald 1139
Grading test for powdered milk. A. E. Leighton *1857
How to make grating cheese. Dahle & Watrous, Jr..... *689
Moisture in dried foods (A)..... 1966
Pack-coding avoids grief. Max Mergentime *1014
Peanut butter improved by changing flavor and texture. Woodroof, Thompson & Cecil..... *525
Pollution of water and food detected by new, rapid test.....*1862
Potatoes selected and stored to avoid darkening *1011
Precooked frozen foods quality control. Hutchings & Evers..... *184
Quality grades are essential for frozen food packs. G. A. Fitzgerald *874
"Shelf" curing of cheese—what are the facts? A. B. Erekson.....*1177
Statistical control of the production process. A. M. Mood pt 1 *1189, pt 2 .....*1372
Where do we go from here with frozen foods. E. T. Gibson..... *528
Quartermaster Food & Container Institute for the Armed Forces organized (N) 896
Quick freezing
Apple juice, frozen, holds up in tests (N) 394
Are prepackaged frozen meats ready for the retailer? F. W. Specht..*1192
Beef loses flavor if aged before freezing (N) 1740
Better plan your experience (ed).. 1554
Birds Eye—Snider's new plant (N).*1385
Brutal facts about freezing (ed).... 661
Caution to precooked food freezers (ed) 44
Chicken a la King.....*1047
Chicken a la King, frozen, tested by QMC (N) 1750
Coconut, grated, frozen..... 1044
Cold storage shows frozen food inflation (N) 1049
Containers for frozen foods (P)..... 1968
Cornell undertakes frozen food study (N) 730
Cream of Wheat Corp. advocates open store display of frozen foods outside cabinet (ed)..... 1375

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Defrosting frozen foods by electronic heat. W. H. Cathcart.....*1524
Dehydrofreezing—new way of preserving food. Howard & Campbell *674
Electric ovens for planes to thawing of frozen food (e).....*1094
Electronic heat defrosts with a minimum of bacterial multiplication. V. W. Sherman..... *506
Enzyme activity—index of quality in frozen vegetables. M. A. Joslyn 1204
"Flash freezing" of foods. L. C. Mazzola *1841
Flavor retention in frozen strawberries (A) 1466
Freezing point data sheets and cooling curves pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5.....*1716
Freezing should be weaned. S. P. MacDonald 1139
French fried onions frozen.....*1724
French fries frozen..... *371
Frozen cream (A)..... 124
Frozen foods in the retail market. Harry Carlton *696
Frozen foods skyrocketed in wartime Germany 183
Frozen orange juice for door to door sales 1882
Future of frozen foods depends on proper packaging. A. P. Dearing.*1196
Georgia food pattern may be altered by frozen food industry (N)..... 1050
Hawaiian pineapple quick frozen....*1727
How to prevent rancidity in frozen pork sausage. Wiseman & Ziemba (tables) *1863
Immersion freezing in liquid nitrous oxide. Gordon Mackinney..... *667
Manufacturers responsibility goes clear to consumer (ed)..... 1376
Norway develops fish freezing plans (N) 1412
Orange juice frozen (Picture feature) 670
Pack-coding avoids grief. Max Mergentime *1014
Peas dried in the frozen state (A).. 1806
Pineapple Tidbits *1044
Pot pie frozen *1729
Potato pancake batter frozen..... 371
Proper packaging protects frozen meats. J. V. Ziemba.....*1710
Quality control of precooked frozen foods. Hutchings & Evers..... *184
Quality grades are essential for frozen food packs. G. A. Fitzgerald. *874
Shipping container for frozen food is a dry ice-refrigerated one. J. V. Ziemba *1358
Snow Crop frozen foods (e)..... *707
Stability of frozen cream (A)..... 1292
Stored frozen stock produces better preserves. Thompson, Cecil & Woodroof *1341
Strawberries—ascorbic acid loss in frozen (A) 1126
Tenderness added to meat by fast freezing (N) 234
Test for frozen fruit (A)..... 134
Test marketing of precooked frozen foods *1724
Tips on frozen pastry. Esther Lee Bride *1856
"Undercooling" retards freezing of canned foods pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5.....*1716
Utilization of cooling towers in the food industry. Edward Simons..*1360
Water in freezing foods (A)..... 1635
Where do we go from here with frozen foods. E. T. Gibson..... *528

R

Radiarange for heating food.....*1699
Radioactive isotopes requested by laboratories (N) 1390
Railroads—Pneumatic conveying of grain from rail siding to plant bins..... *870
Raisins in Pliofilm—lined bag.....*1047
Ramp, bridge (e)..... *587
Rationing
  Rationing shifter to food manufacturers (N)..... 78
  Some recent developments in human feeding. Sir Jack Drummond..... *327
Records of monthly sales of Best Foods kept by photocopies. E. A. Lovelock *345
Rectifiers (e) *938
Reducer, centrifugal (e) *1432
Refrigeration
  Analyzing the problems of prepackaging perishables. R. E. Bauer... *360
  Can cooler (e).....*1608
  Damage by freezing to canned meat products containing carbohydrates. B. W. Gardner Jr..... *192
  Dry ice-refrigerated container for shipping frozen food. J. V. Ziemba.*1358
  Freezer storage shortage (N)..... 554
  Ice bank reduces refrigeration peak load in milk plants. C. H. Minster.*1016
  Locker course at Ohio State University (N) 382
  Locker plant is going commercial. Harry Carlton *1542
  Precooling perishables in refrigeration units mounted upon trailers and trucks. R. A. Latimer..... *9
  Reversible refrigeration for foods in transit *28
  Sausage delivered in Illinois by refrigerated trucks *518
  Truck frozen shrimp desert roads...*1551
  University of Texas laboratories develop ice making machine (N).... 720
  Utilization of cooling towers in the food industries. Edward Simons..*1360
Registration control for wrapping machines (e) *755
Regulator, two-stage (e)..... *422
Research
  Chicago University undertakes food research program (N)..... 1396
  New foods research laboratory opened (N) 1584
  New research laboratory will aid the food processor *1200
  Non-enzymatic browning symposium 1523
  Quartermaster Corps to provide personnell for food research (N) 1220 (N) 1742
  Research for the small company (ed) 204
  The root of "Poor Richard's" trouble 349
  N. Y. U. will teach research management (N) 66
Resin, thermoplastic (e)..... 1626
Retort tags (e).....*1269
Rice
  Enrichment of rice (A)..... 1288
  Fortifying rice (P)..... 435
  Plant to utilize new process (N)... 226
Rotameter (e) 756; *418
Rotameter lighting device (e).....*1274
Russia
  Creeping fruit trees produce in Siberia (N) 736
  Farm land increased by 20 million acres (N) 542
  Food output stays short of prewar (N) 550
  Perennial wheat (N) 1072
  Plans wheat in coldest territory (N). 1758
  Soviet plans include food plant rebuilding (N) 1052
Rust remover (e)..... 418

S

Sampling—what constitutes an adequate sample? Anderson & Whittaker.. *849
Sandwich machine (e)..... 1622
Sauces
  Cream sauce powdered for ready use 209
  Five sauces packed in carton.....*1729
  Homogenized milk in white sauces (A) 1470
  Sauces for meats..... *368
Sauerkraut promotion planned by producers (N) 912
School of citriculture and vegetable production opens in Texas (N)..... 552
Screen, electric fly (e).....*1432
Sealers
  Carton sealer (e).....*1263
  Heat sealers (e) *758; *936; *1100; 1272; *1444
  Rotary heat sealer (e)..... 1436
  Sealing machine (e) .....588 (e) *938
  Worktable and sealer (e).....*1610
Seaweed
  Anacortes, Wash. seaweed (N).....*1572
  Australia's agar industry. Alex Makaroff *1545
Separators (e) *1790
Shearcutting tools (e).....*1607
Shipping
  Dry ice-refrigerated container for shipping frozen food. J. V. Ziemba *1358
  New boxes from old. V. A. Dash.... *34
  Palletized food shipments. B. W. Skinner *1020
  Tight-wrapped shipping containers.. 344
Shoe ventilating innersole.....*1272
Shrimp, frozen, trucked over desert roads *1551
Silicone defoamers (e)..... 1112
Silicone greases 106
Siphon (e) *934
Sirups and Molasses
  Defecation of sirups (A)..... 1121
  Dry molasses *1044
  How to handle corn sirup. A. E. Filippon *1686
  Molasses dried (P)..... 444
  Non-bitter corn sirup (A)..... 1122
Skids
  Drum skid (e)..... 1112
  Semi-skids and jacks (e).....*1273
Sleeves, vinyl plastic (e).....*1438
Slide rule, plastic (e)..... 1608
Smokehouse, tunnel (A)..... 1290
Smokestick (e) *594
Snubber, cartridge (e)..... 1262
Soil samples contain toxic organisms (A) 1801
Sorting bad beans from good ones by electronics *1031
Soybeans
  Canning soybeans (P)..... 1810
  New agricultural products used in candy. Hall, Fahs & Charbonnet.*1008
  Non-break soybean oil (P)..... 963
  Rancidity determination of soybean flours (A) 281
  Soybean processing. (Picture feature) *337
  Soy flour in baking (A)..... 972
Specific gravity indicator (e)..... *108
Speed selector, variable (e)..... 1606
Spices
  Cinnamon oil, synthetic (A)..... 1957
  Fine ground spices (P)..... 124
  Mustard crop (N) 1762
  Pepper imports (N)..... 1588
  Pepper supply in East Indies (N).... 1762
Spoilage of food. B. L. Oser.....*1683
Spot plate, mirror (e).....*1610
Standards
  Alimentary pastes standards issued (N) 1234
  Amino acids may be used in foods (N) 232
  Are food identity standards assets or liabilities? F. N. Peters.....*1180
  Canned bean hearings (N) 718; (N) 900
  Canned peas standard hearing to be held (N) 1738
  Corn meal hearings (N) 724; (N) 904; (N) 1064
  Dept. of Agriculture resumes issuance of food standards (N)..... 1406
  Food standards issued recently (N) 386; (N) 1584
  Glass jar standardizations revoked over industry's head (N)..... 1731
  "Orange juice"—words orange juice —the thing. B. C. Baum..... 218
  Oyster standards proposed (N)..... 1236
  Paste standards eased by proposed amendment (N) 1066
Staphylococcus food poisoning still a serious problem. G. M. Dack..... 1868
Starch
  Amylose and amylopectin components separated (A)..... 607
  Corn starch—a versatile commodity. N. F. Kennedy..... *685
  Determination of starch in grain (A) 778
Statistical control of the production process. A. M. Mood. Pt. 1, *1189; pt. 2 .....*1372
Steam cleaning unit (e)..... *935
Steels, specialty 1607
Stepladder, aluminum (e)..... 1432
Sterilamp (e) *420
Sterilization
  Electronic sterilization of cans. Benjamin & Ecklund..... *523
  Germans using improved methods to preserve fruit juices. Z. I. Kertesz *496
  Milk sterilization (P)..... 1808
Stock food made from culi potatoes dehydrated (A) 1802
Stoker, underfeed (e)..... 952
Stools, steel (e)..... 116
Storing
  Bacteria control in food storage rooms (A) 1465
  Carbon dioxide used to control rodents and scald in apple storage (A) 1640
  Carotene loss in stored leaf meals (A) 963
  Cold storage shows frozen food inflation (N) 1049
  Darkening of dried apricots (A).... 1294
  Dried eggs change in storing (A)... 284
  Dried egg storage (A)..... 1121
  Dried fruit storage (A)..... 964
  Freezer storage shortage (N)..... 554
  Keeping quality of egg and milk mixtures (A) 1296
  Natural ventilation in grain storage bin (A) 123
  Open air storage of wheat (N).....*1220
  Planning for clean flavor. J. A. Dunn *188
  Quality control of precooked frozen foods. Hutchings & Evers..... *184
  Rancidity control of stored fish (A) 968
  Sausages—how to prevent rancidity in frozen pork sausage. Wiseman & Ziemba (tables) *1863
  Storage temperatures influence upon vitamins in canned foods (A)..... 281
  Temperature changes of wheat in bulk (A) 442
  Warnings to sales managers (ed)... 532
Strainer, liquid fuel (e)..... 1454
Strawberries—Ascorbic acid loss in frozen (A) 1126
Sugar
  Clarifying sugar juices (P)..... 1801
  Cuban sugar agreement (N).....*1219
  How to improve low grade sweeteners. W. J. Nelson.....*1852
  Interim sugar plan arranged with Cuba (N) 376
  Ion exchange plant recovers sugar from fruit waste *1846
  Levulose extraction process announced (N) 1582
  Modern plant for Imperial Valley (N) 222
  Philippine Islands—sugar industry dilemma. Harold Leopold.....*1344
  Sugar mill to be shipped to Mexico (N) *885
  World decline in sugar production (N) 242
Supersonic generator (e)..... *854
Surplus War Property and Cannery declared surplus (N)..... 550
  Sales of surplus food for 1945 (N).. 220
Sweden's meat supply short (N)..... 86

T

Tachometer (e) *1098
Tanks—Storage tank (e).....*1098
  Transferring grain from rail siding to binds by pneumatic system..... *870
Tannins improve fats (A)..... 1283

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Taxation—Flavorers prepare for fight on alcohol tax (N) 1232

Technology
Food technologists who have made good (ed) 1722
The root of "Poor Richard's" trouble 349
Why not a technologist, Mr. Baker? W. R. Van Meter *1005
Temperature recorders (e) 587
Temperature regulator (e) *106, (e) 1618
Texas surplus to be handled by new food plants (N) 728
Thermal protector (e) *1782
Thermometer, bimetal (e) *1442
Thermometer, industrial (e) 1454, (e) ... *1614
Thermostats (e) 417
Timer (e) 428, (e) 1442
Timer, interval (e) 1779
Timer, percentage (e) 1778

Tin
Alloy coating on metals (A) 442
Shortage of tin (N) 398
Tinplate protection (A) 192
Tinplate staining (N) 1080
Tinplate still short (N) 1078
Treatment of tinplate (A) 1646

Tomatoes
Air-expressed plants promise more tomatoes (N) 1076
Dried tomato product (P) 608
Plant produce own disease resistant (N) 244
Processing tomato juice. E. J. Cameron 524
RFC signs contract for Bolivian tin (N) 1752
Tin plate shipments to S. A. approved (N) 1734
Treating tomato juice (P) 610
Trucks haul tomatoes the year round *1368
Trade mark laws get overhauling in bill (N) 1392
Trailers, springs for (e) *1446
Trap, sanitary magnetic (e) *940

Trucks and Trucking
Aluminum hand truck (e) *422
Bigger trucks cut meat delivery cost. *1877
Card system controls fleet inspections *1032
Delivery truck (e) 274
Fork trucks (e) 420, *588
Fork truck attachments (e) *1606
Frozen shrimp over desert roads *1551
Grapes unloaded mechanically. Ze'ev Halperin *331
Hand truck (e) *935, (e) *1096, (e) .. *1108
Handling cylindrical loads (e) *424
High lift truck *936
Hot or cold air for foods in transit .. *28
It's time to standardize materials handling equipment. Nathaniel Warshaw *178
Lift truck (e) *260, (e) *1262, (e) .. *1792
Light truck of all welded tubular construction (e) 103
Oil analysis spots engine faults *693
Packer hauls tomatoes the year round *1368
Precooling perishables in refrigeration units mounted upon trailers and trucks. R. A. Latimer *9
Push-pull truck (e) *417
Push truck (e) *600
Sausage delivered in Illinois by refrigerated trucks *518
Tank trucks haul yeast and malt ... *201
Top icing of truck loads of perishable foods *1202
Trailer-tractor connections made from within driver's cab *1714
Tungsten carbide rounds 1607
Turbo drier (e) *1780

U

U. S. Army Foods
Canning drinking water for the U. S. forces. W. J. Mutschler *1351
Chicken a la King, frozen, tested by QMC (N) 1750
Common ailments of quality in processed foods. C. W. Kaufman *12
Non-enzymatic browning studied by the Army 1523
Quartermaster Corps to provide personnel for food research (N) 1220
Quartermaster Food & Container Institute for the Armed Forces organized (N) 896
QMC research on food aided by 80 colleges (N) 1742
QMC to test formula for new canned bread (N) 1586
QMC to train bakers (N) 1742
Research funds (N) 1744
Stocks cut by cancelled orders (N) .. 398

U. S. Dept. of Agriculture
Anderson designates food in short supply (N) 1574
Announces new set-asides (N) 906
Changes in staff (N) 712
Fish and Wild Life Service may be transferred (N) 382
Flannagan-Hope Act directs marketing study on all agricultural products (N) 1563
List tariffs, quotas on agricultural items (N) 1586
Shakeup impending (N) 213
University of Chicago undertakes food research program (N) 1396

V

"Vacuum" is not a food preservative (ed) 878
Vacuum not a preservative. A. E. Stevenson 1301

Valves
Control valves (e) *590
Cutoff valve *106
Expansion valve (e) *948
Globe valve (e) *1268
High vacuum valve (e) 1778
Self-sealing valve (e) *760
Three-way valve (e) *1620
Transfer valve (e) 1612

Vegetables
Blanching vegetables (A) 769
Carotene loss in stored leaf meals (A) 963
Dehydrofreezing—new way of preserving food. Howard & Campbell *674
Enzyme activity in frozen vegetables. M. A. Joslyn 1204
Legumes used in candy. Hall, Fahs & Charbonnet *1008
Non-enzymatic browning symposium. 1523
Nutritive values of dried food products (A) 1970
Onions, tearless *371
Peacetime food compression. C. A. Magoon & associates *362
Peas add calcium when blanched in hard water (N) 392
Prepackaging perishables. R. E. Bauer *360
Quality grades are essential for frozen food packs. G. A. Fitzgerald. *874
Top icing of truck loads of perishable foods *1202
Toxicity of manganese in acid soils (A) 620
"Undercooling" retards freezing of canned foods pt 1 *513, pt 2 *866, pt 3 *1034, pt 4 *1370, pt 5 ..... *1716
Vegetable sausage from wood wastes (A) 1814
Vibration and shock absorber (e) *948
Vibratory screening (e) 1095
Vinegar, making high strength (P) 769

Vitamins
Ascorbic acid loss in frozen strawberries (A) 1126
Ascorbic-citric acids prevent browning of cut fruit. Luther & Cragwall *690
Folic acid takes its place in the vitamin B series Haldane G *1186
Fortify and educate (ed) 1554
Fortifying rice (P) 435
High ascorbic acid content (A) 776
How fish liver sampler works. Sanford & McKee *677
New vitamin A (A) 1284
Proportioning vitamins in cattle feeds (P) 1642
Some recent developments in human feeding. Sir Jack Drummond *327
Storage temperatures influence upon vitamins in canned foods (A) 281
Vitamin A in dried eggs (A) 1284
Vitamin A to prolong life (ed) 43
Vitamin C—new assay (A) 963
Vitamin spead (P) 435

W

Waste Disposal
Alcohol from wood expected in Oregon (N) 384
Bill for cost of construction of liquid waste disposal plants (ed) 204
Disposal of canner wastes. N. H. Sanborn 521
Ferric sulphate for sewage disposal (A) 282
Ion exchange plant recovers sugar from fruit waste *1846
What sanitation means to the processor. R. E. Sanborn *26
Water—Canning drinking water for the U. S. forces. W. J. Mutschler *1351
Distilling water, its cost and convenience. Haldane Gee *180
Pollution of water and food detected by new rapid test *1862
Water treatment—Algea destroyed (P). 1134
In-plant chlorination. Hall & Blundell 520
Carbon removes odors (A) 1810
Feed-water treatment at Deerfield Packing Corp. Thomas Martin *1692
Weigher, automatic (e) *1274
Weight adjuster, automatic (e) *1096
Weights and measures back on active list (N) 1732
Welding, electric (e) *1100
Wheat see Grain
Wheel, all-rubber industrial (e) *1273
Wheels, industrial (e) 422
Wines—Fermentation of orange juice helped by nutrients (A) 607
Improved machines for processing grapes (P) 1964
Test add B-vitamins to California wines (N) 68
Wood sugar yeast (A) 1476
Wood wastes used to produce vegetable sausage (A) 1814

Wrapping
Aluminum foils moisture *1556
Foil package extends merchantable life of peas. C. A. Sumner *1538
Moisture-proof wrapper (P) 1968
Penetration of wrapping materials by molds (A) 1122
What are the potentialities of new films and foils? F. I. Hanmer, Jr. *1365
What is the protective value of the double overwrap? Rabak & Stark. *1690
Wrapping machine (e) *1095
Wrapping machine for lettuce (e) .. *716
Wrapping see also Packaging

Yeast
Dated dry yeast *883
Edible yeasts produced from sulphite liquors (A) 1801
Food yeasts (N) 1070
Paper companies plan yeast-growing plant (N) 1402
Tank trucks haul yeast and malt .. *201
Vegetable sausage from wood wastes (A) 1814
Yeast from wood sugar (A) 1476

AUTHORS' INDEX

A

Adams, M. C. & E. L. Birdsall. New consistometer measures corn consistency *844
Andrews, J. C. How meat is dehydrated in New Zealand *32
Anderson, M. S. & C. W. Whittaker. What constitutes an adequate sample? *849

B

Bailey, Capt. W. W. How to make canned ham and sweet potatoes.... *678
Baker, G. L. & C. W. Woodmanse. Sweet potato gels—something new..... *196
Baker, G. L. & others. How sugars affect dispersibility of pectins in gel powders *356
Barrett, J. P. & M. L. Laing. Packing plant sanitation calls for good housekeeping *1354
Bauer, Robert E. Analyzing the problems of prepackaging perishables.. *360
Baum, Bernard C. "Orange juice"—Words orange juice—the thing..... 191
Benjamin, H. A. & O. F. Ecklund. Electronic sterilization *523
Birdsall, E. L. & M. C. Adams. New consistometer measures corn consistency *844
Blundell, C. C. & J. E. Hall. In-plant chlorination 520
Bohn, R. T. New floru requires some baking adjustments *492
Bohne, Philip W. & F. H. Thurber. Rotary machine solves lye peeler problems *10
Bohrer, C. W. Cleaning problems..... 522
Bride, Esther Lee. Tips on frozen pastry.*1856
Brown, D. M. Quality control means better packaging *350
Brown, M. V. & G. L. Leffler. 25 years of food processing *39

C

Cameron, E. J. Processing tomato juice. 524
Campbell, Horace & L. B. Howard. Dehydrofreezing—new way of preserving food *674
Carlin, George T. Development of food products in wartime Germany.....*1526
Meat packing and processing in wartime Germany *1018
Carlton, Harry. The freezer locker plant is going commercial.....*1542
Frozen foods in the retail market... *696
Cassels, John H. Calories or catastrophe *3
Cathcart, W. H. Frozen foods defrosted by electronic heat.....*1524
High frequency heating produces mold-free bread *864
Cecil, S. R., J. G. Woodroof & H. H. Thompson. Peanut butter improved by changing flavor and texture..... *525
Stored frozen stock produces better preserves *1341
Charbonnet, Louise H., H. H. Hall & F. J. Fahs. New agricultural products used in candy.....*1008
Clarke, W. Tresper. All that's left of German chocolate industry.....*1183
How German chocolate ration was made for Wehrmacht *1695
Cook, Alice Rice. What are employee relations? *939
Cool, O. C. Crisis in employee relations. *7
Coulter. S. T. & Robert Jenness. Gas-packing dry whole milk..... *352
Cragwall, G. O. & H. G. Luther. Ascorbic-citric acids prevent browning of cut fruit *690

D

Dack, G M. Staphylococcus food poisoning still a serious problem 1868
Dahle, C. D. & G. H. Watrous, Jr. How to make grating cheese..... *689
Dash, V. A. New boxes from old..... *34
Dearing, Albin P. Future of frozen foods depends on proper packaging.....*1196
Deutsch, Priscilla A. What do we want from Germany? *847
Drummond, Sir Jack. Some recent developments in human feeding..... *327
Dunker, C. F., L. A. Spindler & O. G. Hankins. Trichinae killed by 120-deg. F. dehydration..... *342
Dunn, J. A. Planning for clean flavor.. *188

E

Ecklund, O. F. & H. A. Benjamin. Electronic sterilization *523
Eddy, Walter H. Candy kettles—copper or stainless? 627
Erekson, Arthur B. "Shelf" curing of cheese—what are the facts?.....*1177
Evers, Clifford F. & B. L. Hutchings. Quality control of precooked frozen foods *184

F

Fahs, F. J., H. H. Hall & Louise H. Charbonnet. New agricultural products used in candy.....*1008
Filippon, A. Edward. How to handle corn sirup *1686
Fisher, C. D. & others. Control of microbiological food spoilage by fumigat on with epoxides. Pt. 1, *23; pt. 2.. *174
Fitzgerald, Gerald A. Quality grades are essential for frozen food packs..... *874
Formeister, Ray B. DDT—steam sprayer *505

G

Gardner, Bertram W., Jr. Damage by freezing to canned meat products containing carbohydrates *192
Gardner, B. W., Jr. & Lt. L. L. Williams. How to buy poultry..... *872
Gee, Haldane. Aqua destillata, its cost and convenience *180
Folic acid takes its place in the vitamin B series.....*1186
Gemmill, Arthur V. Continuous butter making successful in wartime Germany *841
New plastic covering protects idle equipment *1540
Recent developments in continuous butter making *1865
Gibson, Edwin T. Where do we go from here with frozen foods..... *528
Guenther, Ernest. Oil of angelica—production and characteristics..... *36

H

Hall, H. H., F. J. Fahs & Louise H. Charbonnet. New agricultural products used in candy.....*1008
Hall, J. E. & C. C. Blundell. In-plant chlorination 520
Hall, Lloyd A. Protein hydrolysates—flavor ingredients for foods..... *681
Halperin, Ze'ev. Grapes unloaded mechanically *331
Hankins, O. G., L. A. Spindler & C. F. Dunker.
Trichinae killed by 120-deg. F. dehydration *342
Hanmer, Fred L., Jr. What are the potentialities of new films and foils..*1365
Harsham, A. Debunking a color theory. *851
Hodler, Paul W. Modern bakery sanitation *1865
Howard, L. B. & Horace Campbell. Dehydrofreezing—new way of preserving food *674
Hutchings, Barbara L. & C. F. Evers. Quality control of precooked frozen foods *184

I

Ingels, Bert D. Does instinctive appetite correct science? 177

J

Jenness, Robert & S. T. Coulter. Gas-packing dry whole milk *352
Joslyn, M. A. Enzyme activity—index of quality in frozen vegetables..... 1204

K

Kanehiro, Yoshinori & G. D. Sherman. Guava-flavored pectin powder is rich in ascorbic acid *1688
Kaufman, C. W. Common ailments of quality in processed foods..... *12
Kennedy, Norman F. Corn starch—a versatile commodity *685
Kertesz, Z. I. Germans using improved methods to preserve fruit juices.... *496
Kraft, George J. Mass feeding offers big market *40
Kramer, A. & H. R. Smith. Color measurements 524
Kuhn, W. F. Growing Mung bean sprouts for canning *1858

L

Laing, M. L. & J. R. Barrett. Packing plant sanitation calls for good housekeeping *1354
Lamarche V., Rafael. New market for American food *698
Latimer, Robert A. Mobile precoolers protect perishables *9
Laws, R. B. Candy kettles—copper or stainless? 627
Leffler, G. L. & M. V. Brown. 25 years of food processing..... *39
Leighton, Alfred E. Grading test for powdered milk *1857
Lemon, J. M. & L. A. Sandholzer. Using DDT for fly control..... *860
Leopold, Herbert. Coconut palms—120,000,000 of them.....*1535
Sugar—a Philippine dilemma.....*1344
Loft, George. Amen!..... 1139
Lovelock, Edward A. Why Best Foods photocopies monthly sales records.. *345
Luther, Herbert G. & G. O. Cragwall. Ascorbic-citric acids prevent browning of cut fruit..... *690

M

MacDonald, Stuart. Freezing should be weaned 1139
Mackinney, Gordon. Immersion freezing in liquid nitrous oxide..... *667
Magoon, C. A. & Associates. Peacetime food compression *362
Makaroff, Alex. Australia's agar industry *1545
Australia is going fishing..... *530
Markstein, David. Mississippi attracts industry and aids state.....*1022
Martin, Thomas. Feed-water treatment at Deerfield Packing Corp.....*1692
Mauldin, Earle. Orange juice delivered by the milk man.....*1713
Mazzola, L. Charles. Preview of exhibit 20th Chemical show..... *166
"Flash freezing" of foods.....*1841
Potato peeling methods analyzed and appraised pt 1 *1708, pt 2.....*1874
McKee, L. G. & F. B. Sanford. How fish liver sampler works..... *677
Mergentime, Max. Pack-coiling avoids grief *1014
Minster, Clyde H. Ice bank reduces refrigeration peak load in milk plants.*1016
Insulating your ceiling *1850
Mocine, D. O. Evaluating screw conveyors for materials handling..... *852
Montagnes, James. Canada's growing fish industry *1718
Mood, A. M. Statistical control of the production process. Pt. 1, *1189; pt. 2 .....*1372
Morrow, Alexander. Inefficiency preferred! *347
Mrak, E. M. & others. Control of microbiological food spoilage by fumigation with epoxides. pt. 1, 23; pt 2, *174
Murray, W. G. & others. How sugars affect dispersibility of pectins in gel powders *356
Mutschler, W. J. Canning drinking water*1351

N

Nelson, W. J. How to improve low grade sweeteners *1852
Nielsen, A. C. Facts to guide postwar decisions *358

O

Ordinanz, William O. Specific heats of foods in cooking.....*1869
Oser, Bernard L. How foods spoil.....*1683

P

Paley, Charles & Sidney Rubin. Rapid method for determining fat content of dried eggs *1194
Parker, Leo T. Keeping an eye on law suits *198
Parker, M. E. Food plant sanitation is not just a chore. Pt. 1, *332; pt. 2.. *510
Perry, John R. New devices improve cleaning and effect economies..... *1518
Peters, F. N. Are food identity standards assets or liabilities.....*1180
Phaff, H. J. & others. Control of microbiological food spoilage by fumigation with epoxides. pt 1, *23; pt. 2. *174
Piper, Perry E. How scale prevention cuts bottle washing cost. pt. 1, *1024; pt. 2.....*1198
Pitman, A. L. How processors can test and improve their own packages...*1038
Pollari, V. E. & others. How sugars affect dispersibility of pectins in gel powders *356
Pratt, D. B., Jr. Flour mills go to "80". *494
Lecithin increases the effect of shortening in bread..... *16
Pursley, Alfred E. Palletized handling cost cut with nationwide exchange.*1870

R

Rabak, William & J. B. Stark. What is the protective value of the double overwrap? *1690
Rader, R. D. Designing the proper concrete floors for the food plant.....*1026
Richter, H. Willard. Managing a small plant in a large task.....*1339
Risberg, Clifford W. Job evaluation may help to minimize stoppages..... *489

* Illustrated. (A) Abstract. (e) Equipment. (ed) Editorial. (F) Forum. (P) Patents. (N) News.

Rubin, Sidney & Charles Paley. Rapid method for determining fat content of dried eggs.....*1194

S

Sanborn, N. H. Disposal of canner wastes 521
Sanborn, Ralph E. What sanitation means to the processor..... *26
Sandholzer, Leslie A. & J. M. Lemon. Using DDT for fly control..... *860
Sanford, F. B. & L. G. McKee. How fish liver sampler works..... 677
Sherman, G. Donald & Yoshinori Kanehiro. Guava-flavored pectin powder is rich in ascorbic acid *1688
Sherman, V. W. Electronic heat in the food industries *506
Simons, Edward. Utilization of cooling towers in the food industries.....*1360
Skinner, Bruce W. Palletized food shipments *1020
Smith, Charles L. Rough handling affects spoilage 522
Smith, R. R. & A. Kramer. Color measurements 524
Specht, F. W. Are prepackaged frozen meats ready for the retailer?.....*1192
Spindler, L. A., C. F. Dunker & O. G. Hankins. Trichinae killed by 120-deg. F. dehydration..... *342
Stark, J. B. & William Rabak. What is protective value of the double overwrap? *1690
Stevenson, A. E. Vacuum not a preservative 1301
Stone, Austen. How to get a job.....*1515
Summers, Charles G. DDT and fly control 1301
Sumner, Clark A. Foil package extends merchantable life of peas.....*1538

T

Thompson, Helen H., J. G. Woodroof & S. R. Cecil. Peanut butter improved by changing flavor and texture..... *525
Stored frozen stock produces better preserves *1341
Thompson, John L. The do's and the don'ts of materials handling.....*1175
Thurber, F. H. & P. W. Bohne. Rotary machine solves lye peeler problems.. *19
Toof, F. L. Improved paper container for bulk shortening.....*1346
How packaging problems are tackled in food plants *1854
Turner, Wendell P. Jr. Water content of powders determined by rapid method *502

V

Van Meter, W. R. So you want to be a foreman *163
Why not a technologist, Mr. Baker?.*1005

W

Walsh, John S. Better light: better work, pt 1 *1548; pt 2.....*1705
Warshaw, Nathaniel. It's time to standardize materials handling equipment *178
Watrous, G. H. Jr. & C. D. Dahle. How to make grating cheese..... *689
Wheeler, F. G. Cream puff troubles are overcome by test studies..... *20
Whelton, Rita & others. Control of microbiological food spoilage by fumigation with epoxides. pt. 1, *23; pt. 2 ..... *174
Whitehurst, B. W. How to fabricate glass pipe in your plant.....*1348
Whittaker, C. W. & M. S. Anderson. What constitutes an adequate sample? *849
Wilder, H. K. Illumination studies..... 521
Williams, Lt. L. L. & B. W. Gardner, Jr. How to buy poultry..... *872
Wiseman, C. K. & J. V. Ziemba. How to prevent rancidity in frozen pork sausage *1863
Woodmansee, C. W. & G. L. Baker. Sweet potato gels—something new.. *196
Woodmansee, C. W. & others. How sugars affect dispersibility of pectins in gel powders..... *356
Woodroof, J. G., H. H. Thompson & S. R. Cecil. Peanut butter improved by changing flavor and texture..... *525
Stored frozen stock produces better preserves *1341
Woodson, William T. Formulas and the law *1701

Z

Ziemba, John V. Fish filleting machine cuts all commercial sizes.....*1530
How to prevent rancidity in frozen pork sausage *1863
Proper packaging protects frozen meats *1710